Name	OJ990416_04.9819.C12.o1.gs	Method	GENSCAN
Start	414	End	926
GI	none	Score	.41
Exons	414..611, 699..926		

Seq. No.	18448	Seq. ID	OJ990416_04.9819.C12
Gene No.	38774	Strand	-
Start	414	End	966
Name	OJ990416_04.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	519	End	966
GI	none	Score	121
Exons	519..674, 535..669, 602..673, 816..965, 817..966	684..824, 685..762, 702..830,	

Seq. No.	18449	Seq. ID	OJ990416_04.9819.C19
Gene No.	38775	Strand	+
Start	532	End	686
Name	OJ990416_04.9819.C19.o1.gs	Method	GENSCAN
Start	532	End	686
GI	none	Score	.65
Exons	532..686		

Seq. No.	18450	Seq. ID	OJ990416_04.9819.C21
Gene No.	38776	Strand	+
Start	159	End	375
Name	OJ990416_04.9819.C21.o1.gs	Method	GENSCAN
Start	159	End	375
GI	none	Score	.66
Exons	159..250, 255..375		

Seq. No.	18451	Seq. ID	OJ990416_04.9819.C22
Gene No.	38777	Strand	-
Start	194	End	328
Name	OJ990416_04.9819.C22.o1.gs	Method	GENSCAN
Start	194	End	328
GI	none	Score	.5
Exons	194..328		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o1.gp	Method	AAT/GAP
Start	281	End	856
GI	32010_1.R1084	Score	1101
Exons	281..856		
GI Descrip.	'4406761/gb|AAD20072| 2.0e-42 (AC006836) putative ubiquinone biosynthesis protein [Arabidopsis thaliana]'		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o1.gs	Method	GENSCAN
Start	437	End	2389
GI	none	Score	.42
Exons	437..940, 1495..1678, 2143..2182, 2287..2389		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23

Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	438	End	778
GI	none	Score	331
Exons	438..743, 440..778, 441..773		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o1.np	Method	AAT/NAP
Start	449	End	1680
GI	4406761	Score	924
Exons	449..940, 1495..1680		
GI Descrip.	(AC006836) putative ubiquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	458	End	823
GI	none	Score	175
Exons	458..739, 461..823, 462..728		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	461	End	695
GI	none	Score	190
Exons	461..694, 462..695		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o2.ts	Method	TBLASTX:Soybean
Start	851	End	1677
GI	none	Score	164
Exons	851..904, 1493..1654, 1495..1677, 1496..1651		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o2.tm	Method	TBLASTX:Maize
Start	859	End	1683
GI	none	Score	103
Exons	859..936, 860..943, 861..941, 865..942, 1493..1681, 1495..1683		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o2.tc	Method	TBLASTX:Cress
Start	1492	End	1755
GI	none	Score	177
Exons	1492..1755, 1493..1666		

Seq. No.	18452	Seq. ID	OJ990416_04.9819.C23
Gene No.	38778	Strand	-
Start	281	End	2389
Name	OJ990416_04.9819.C23.o2.gp	Method	AAT/GAP
Start	1494	End	2315
GI	3548954	Score	654
Exons	1494..1678, 2143..2315		
GI Descrip.	4406761/gb|AAD20072| 7.0e-17 (AC006836) putative ubiquinone biosynthesis protein [Arabidopsis thaliana]		

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38779	Strand	+
Start	87	End	2231
Name	OJ990416_04.9819.C24.o1.gs	Method	GENSCAN
Start	87	End	2231
GI	none	Score	.68
Exons	87..150, 388..437, 608..700, 1966..2082, 2172..2231		

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38779	Strand	+
Start	87	End	2231
Name	OJ990416_04.9819.C24.o1.np	Method	AAT/NAP
Start	1094	End	1552
GI	6069646	Score	243
Exons	1094..1552		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38780	Strand	+
Start	5230	End	6550
Name	OJ990416_04.9819.C24.o2.gs	Method	GENSCAN
Start	5230	End	6550
GI	none	Score	.7
Exons	5230..5612, 5861..6055, 6529..6550		

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38781	Strand	-
Start	4525	End	4961
Name	OJ990416_04.9819.C24.o1.gp	Method	AAT/GAP
Start	4525	End	4961
GI	6547_4.R1084	Score	800
Exons	4525..4961		
GI Descrip.	'3402817/emb|CAA07704| 1.0e-18 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38782	Strand	-
Start	4865	End	6035
Name	OJ990416_04.9819.C24.o2.np	Method	AAT/NAP
Start	4865	End	6035
GI	6907106	Score	444
Exons	4865..5489, 5791..6035		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38782	Strand	-
Start	4865	End	6035
Name	OJ990416_04.9819.C24.o2.gp	Method	AAT/GAP
Start	5555	End	5992
GI	2428128	Score	778
Exons	5555..5992		

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38783	Strand	-
Start	9477	End	10639
Name	OJ990416_04.9819.C24.o1.tm	Method	TBLASTX:Maize
Start	1096	End	1450
GI	none	Score	242
Exons	1096..1311, 1097..1312, 1100..1318, 1334..1450, 1337..1450		

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38783	Strand	-
Start	9477	End	10639
Name	OJ990416_04.9819.C24.o1.tw	Method	TBLASTX:Wheat
Start	1142	End	1450
GI	none	Score	127
Exons	1142..1270, 1283..1342, 1316..1450, 1325..1450		

Seq. No.	18453	Seq. ID	OJ990416_04.9819.C24
Gene No.	38783	Strand	-
Start	9477	End	10639
Name	OJ990416_04.9819.C24.o3.gs	Method	GENSCAN
Start	9477	End	10639
GI	none	Score	.81
Exons	9477..9603, 9666..9698, 9857..9927, 10529..10639		

Seq. No.	18454	Seq. ID	OJ990416_04.9819.C25
Gene No.	38784	Strand	+
Start	183	End	860
Name	OJ990416_04.9819.C25.o1.gp	Method	AAT/GAP
Start	183	End	665
GI	none	Score	930
Exons	183..665		

Seq. No.	18454	Seq. ID	OJ990416_04.9819.C25
Gene No.	38784	Strand	+
Start	183	End	860
Name	OJ990416_04.9819.C25.o1.gs	Method	GENSCAN
Start	205	End	860
GI	none	Score	.44
Exons	205..471, 723..860		

Seq. No.	18454	Seq. ID	OJ990416_04.9819.C25
Gene No.	38785	Strand	+
Start	1493	End	1708
Name	OJ990416_04.9819.C25.o2.gs	Method	GENSCAN
Start	1493	End	1708
GI	none	Score	.55
Exons	1493..1708		

Seq. No.	18455	Seq. ID	OJ990416_04.9819.C26
Gene No.	38786	Strand	+
Start	1067	End	2667
Name	OJ990416_04.9819.C26.o1.np	Method	AAT/NAP
Start	1067	End	2667
GI	4514716	Score	348
Exons	1067..1250, 1510..1721, 2566..2667		
GI Descrip.	(AB017533) EPc [Nicotiana tabacum]		

Seq. No.	18455	Seq. ID	OJ990416_04.9819.C26
Gene No.	38786	Strand	+
Start	1067	End	2667
Name	OJ990416_04.9819.C26.o1.gp	Method	AAT/GAP
Start	1100	End	1823
GI	95234_1.R1084	Score	736
Exons	1100..1250, 1510..1823		
GI Descrip.	'4514716/dbj|BAA75495.1| 1.0e-16 (AB017533) EPc [Nicotiana tabacum]'		

Seq. No.	18455	Seq. ID	OJ990416_04.9819.C26
Gene No.	38787	Strand	+
Start	5285	End	6061
Name	OJ990416_04.9819.C26.o2.gs	Method	GENSCAN
Start	5285	End	6061
GI	none	Score	.97
Exons	5285..6061		

Seq. No.	18455	Seq. ID	OJ990416_04.9819.C26
Gene No.	38788	Strand	-
Start	752	End	4366
Name	OJ990416_04.9819.C26.o1.gs	Method	GENSCAN
Start	752	End	4366
GI	none	Score	.61
Exons	752..1362, 1484..1716, 1773..1942, 3282..3353, 4319..4366		

Seq. No.	18455	Seq. ID	OJ990416_04.9819.C26
Gene No.	38789	Strand	-
Start	7500	End	8617
Name	OJ990416_04.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	1058	End	1708
GI	none	Score	74
Exons	1058..1249, 1131..1199, 1139..1249, 1478..1708, 1512..1706		

Seq. No.	18455	Seq. ID	OJ990416_04.9819.C26
Gene No.	38789	Strand	-
Start	7500	End	8617
Name	OJ990416_04.9819.C26.o1.tw	Method	TBLASTX:Wheat
Start	1091	End	1702
GI	none	Score	62
Exons	1091..1249, 1134..1196, 1139..1249, 1511..1702, 1512..1700		

Seq. No.	18455	Seq. ID	OJ990416_04.9819.C26
Gene No.	38789	Strand	-
Start	7500	End	8617
Name	OJ990416_04.9819.C26.o3.gs	Method	GENSCAN
Start	7500	End	8617

GI	none	Score	.7
Exons	7500..7599, 7985..8101, 8442..8617		

Seq. No.	18456	Seq. ID	OJ990416_04.9819.C27
Gene No.	38790	Strand	-
Start	140	End	1106
Name	OJ990416_04.9819.C27.o1.gs	Method	GENSCAN
Start	140	End	1106
GI	none	Score	.41
Exons	140..354, 1025..1106		

Seq. No.	18457	Seq. ID	OJ990416_04.9819.C28
Gene No.	38791	Strand	+
Start	342	End	719
Name	OJ990416_04.9819.C28.o1.np	Method	AAT/NAP
Start	342	End	719
GI	3334401	Score	86
Exons	342..540, 669..719		
GI Descrip.	URACIL-DNA GLYCOSYLASE (UDG) gi|2687922 (AE001118) uracil DNA glycosylase (ung) [Borrelia burgdorferi]		

Seq. No.	18458	Seq. ID	OJ990406_06.9819.C1
Gene No.	38792	Strand	+
Start	112	End	287
Name	OJ990406_06.9819.C1.o1.gs	Method	GENSCAN
Start	112	End	287
GI	none	Score	.65
Exons	112..287		

Seq. No.	18459	Seq. ID	OJ990406_06.9819.C2
Gene No.	38793	Strand	+
Start	110	End	189
Name	OJ990406_06.9819.C2.o1.gs	Method	GENSCAN
Start	110	End	189
GI	none	Score	.97
Exons	110..189		

Seq. No.	18460	Seq. ID	OJ990406_06.9819.C6
Gene No.	38794	Strand	+
Start	1749	End	2154
Name	OJ990406_06.9819.C6.o1.gp	Method	AAT/GAP
Start	1749	End	2154
GI	none	Score	615
Exons	1749..2154		

Seq. No.	18460	Seq. ID	OJ990406_06.9819.C6
Gene No.	38795	Strand	+
Start	4675	End	5178
Name	OJ990406_06.9819.C6.o3.gp	Method	AAT/GAP
Start	4675	End	5178
GI	LIB3431-055-P1-N1-G3	Score	890
Exons	4675..5178		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	18460	Seq. ID	OJ990406_06.9819.C6
Gene No.	38796	Strand	-

Start	568	End	1116
Name	OJ990406_06.9819.C6.o1.gs	Method	GENSCAN
Start	568	End	1116
GI	none	Score	1
Exons	568..1116		

Seq. No.	18460	Seq. ID	OJ990406_06.9819.C6
Gene No.	38797	Strand	-
Start	2154	End	6290
Name	OJ990406_06.9819.C6.o1.ts	Method	TBLASTX:Soybean
Start	2133	End	2834
GI	none	Score	70
Exons	2133..2234, 2143..2253, 2640..2834, 2641..2811		

Seq. No.	18460	Seq. ID	OJ990406_06.9819.C6
Gene No.	38797	Strand	-
Start	2154	End	6290
Name	OJ990406_06.9819.C6.o2.gs	Method	GENSCAN
Start	2154	End	6156
GI	none	Score	.47
Exons	2154..2233, 2642..2943, 4697..4877, 6049..6156		

Seq. No.	18460	Seq. ID	OJ990406_06.9819.C6
Gene No.	38797	Strand	-
Start	2154	End	6290
Name	OJ990406_06.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	2625	End	2936
GI	none	Score	186
Exons	2625..2936, 2635..2838, 2637..2861, 2850..2888, 2882..2935		

Seq. No.	18460	Seq. ID	OJ990406_06.9819.C6
Gene No.	38797	Strand	-
Start	2154	End	6290
Name	OJ990406_06.9819.C6.o2.gp	Method	AAT/GAP
Start	2660	End	2924
GI	none	Score	452
Exons	2660..2924		

Seq. No.	18460	Seq. ID	OJ990406_06.9819.C6
Gene No.	38797	Strand	-
Start	2154	End	6290
Name	OJ990406_06.9819.C6.o4.gp	Method	AAT/GAP
Start	4449	End	6290
GI	5003203	Score	686
Exons	4449..4470, 4913..5061, 6049..6290		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38798	Strand	+
Start	5434	End	13553
Name	OJ990406_06.9819.C7.o2.gs	Method	GENSCAN
Start	5434	End	13361
GI	none	Score	.7
Exons	5434..5570, 5761..5907, 6591..6705, 7181..7235, 7886..8082, 9222..9291, 10263..10315, 10471..10615, 11091..11209, 11325..11396, 11826..11932, 12245..12301, 12447..12585, 12741..12917, 13185..13361		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38798	Strand	+
Start	5434	End	13553
Name	OJ990406_06.9819.C7.o3.np	Method	AAT/NAP
Start	5504	End	13394
GI	6630556	Score	1630
Exons	5504..5597, 6605..6705, 7181..7235, 7886..8082, 8438..8559, 8638..8791, 9222..9291, 9875..10020, 10117..10162, 10263..10315, 10471..10615, 11091..11209, 11325..11396, 11826..11932, 12245..12301, 12393..12585, 12774..12917, 13236..13394		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38798	Strand	+
Start	5434	End	13553
Name	OJ990406_06.9819.C7.o1.gp	Method	AAT/GAP
Start	5915	End	7925
GI	none	Score	813
Exons	5915..6097, 6517..6705, 7181..7235, 7886..7925		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38798	Strand	+
Start	5434	End	13553
Name	OJ990406_06.9819.C7.o2.gp	Method	AAT/GAP
Start	12387	End	12824
GI	none	Score	413
Exons	12387..12585, 12774..12824		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38798	Strand	+
Start	5434	End	13553
Name	OJ990406_06.9819.C7.o3.gp	Method	AAT/GAP
Start	13236	End	13553
GI	none	Score	595
Exons	13236..13553		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38799	Strand	-
Start	2174	End	4382
Name	OJ990406_06.9819.C7.o1.np	Method	AAT/NAP
Start	2133	End	3241
GI	6815053	Score	779
Exons	2133..2369, 2419..2594, 3095..3241		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38799	Strand	-
Start	2174	End	4382
Name	OJ990406_06.9819.C7.o1.gs	Method	GENSCAN
Start	2174	End	4382
GI	none	Score	.77
Exons	2174..2369, 2410..2594, 3104..3235, 3473..3878, 4264..4382		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38800	Strand	-
Start	4559	End	5864

Name	OJ990406_06.9819.C7.o2.np	Method	AAT/NAP
Start	4559	End	5864
GI	6815099	Score	96
Exons	4559..4676, 5826..5864		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38801	Strand	
Start	6561	End	13328
Name	OJ990406_06.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	6561	End	13328
GI	none	Score	154
Exons	6561..6710, 6562..6705, 7158..7235, 7178..7237, 7178..7237, 7884..8081, 7885..8082, 7888..8082, 8425..8556, 8438..8557, 8643..8792, 8643..8792, 8656..8826, 8657..8797, 9219..9293, 9221..9292, 9820..10023, 9873..10016, 9931..10020, 10114..10164, 10114..10158, 10116..10169, 10256..10315, 10261..10317, 10461..10619, 10469..10618, 10489..10626, 11060..11242, 11089..11211, 11303..11407, 11319..11414, 11823..11849, 11858..11932, 11870..11929, 12241..12303, 12242..12316, 12243..12326, 12390..12590, 12391..12594, 12394..12594, 12768..12920, 12776..12919, 13233..13328		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38801	Strand	
Start	6561	End	13328
Name	OJ990406_06.9819.C7.o2.tc	Method	TBLASTX:Cress
Start	6607	End	8031
GI	none	Score	78
Exons	6607..6705, 7178..7237, 7180..7215, 7884..8030, 7885..8031, 7885..8031		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38801	Strand	
Start	6561	End	13328
Name	OJ990406_06.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	7885	End	13322
GI	none	Score	198
Exons	7885..8034, 7887..8033, 8031..8081, 8035..8082, 8425..8556, 8438..8548, 8648..8797, 8650..8826, 9219..9293, 9873..10022, 9874..10023, 10113..10163, 10114..10164, 10256..10315, 10455..10616, 10489..10626, 11083..11211, 11089..11202, 11090..11239, 11319..11414, 11861..11932, 12242..12316, 12243..12326, 12387..12482, 12390..12557, 12394..12567, 12768..12830, 12852..12920, 13233..13322		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38801	Strand	
Start	6561	End	13328
Name	OJ990406_06.9819.C7.o2.tw	Method	TBLASTX:Wheat
Start	10256	End	11228
GI	none	Score	53
Exons	10256..10315, 10461..10619, 10469..10618, 10489..10626, 11060..11212, 11089..11211, 11094..11228		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38801	Strand	

Start	6561	End	13328
Name	OJ990406_06.9819.C7.o1.tc	Method	TBLASTX:Cress
Start	10461	End	11414
GI	none	Score	174
Exons	10461..10595, 10468..10617, 10489..10629, 11060..11245, 11086..11193, 11319..11414		

Seq. No.	18461	Seq. ID	OJ990406_06.9819.C7
Gene No.	38801	Strand	
Start	6561	End	13328
Name	OJ990406_06.9819.C7.o1.tw	Method	TBLASTX:Wheat
Start	12239	End	12594
GI	none	Score	57
Exons	12239..12316, 12241..12303, 12243..12326, 12390..12590, 12391..12594, 12394..12594		

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o1.np	Method	AAT/NAP
Start	322	End	6126
GI	6630556	Score	1234
Exons	322..385, 1503..1594, 1978..2121, 2327..2519, 2609..2665, 3200..3330, 3373..3547, 3914..4064, 4230..4282, 4382..4426, 4517..4662, 4738..4807, 5183..5336, 5460..5581, 5934..6126		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o1.gp	Method	AAT/GAP
Start	1320	End	1465
GI	2797626	Score	275
Exons	1320..1465		

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o1.gs	Method	GENSCAN
Start	1412	End	6646
GI	none	Score	.73
Exons	1412..1414, 1978..2121, 2327..2519, 2609..2665, 3200..3312, 3429..3547, 3914..4064, 4517..4662, 4738..4807, 5814..5915, 5934..6124, 6337..6646		

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o1.ts	Method	TBLASTX:Soybean
Start	1508	End	6101
GI	none	Score	94
Exons	1508..1597, 1975..2043, 2065..2127, 2345..2518, 2358..2522, 2430..2525, 2611..2667, 2615..2668, 3200..3268, 3289..3315, 3290..3322, 3426..3545, 3427..3555, 3436..3546, 3933..4055, 3935..4048, 3939..4073, 3940..4074, 4394..4429, 4397..4435, 4514..4675, 4515..4664, 4736..4822, 4737..4808, 5169..5234,		

5171..5323, 5177..5323, 5462..5581, 5472..5582, 5934..5981, 5935..5982, 5985..6101, 5985..6101

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o1.tm	Method	TBLASTX:Maize
Start	1975	End	6103
GI	none	Score	126
Exons	1975..2127, 1976..2119, 2322..2519, 2324..2521, 2325..2522, 2326..2523, 2606..2668, 2606..2656, 2608..2694, 2608..2667, 3200..3247, 3289..3315, 3426..3545, 3427..3537, 3428..3547, 3926..4066, 3939..4070, 3940..4074, 3942..4091, 4230..4280, 4230..4283, 4394..4435, 4397..4435, 4514..4675, 4517..4660, 4521..4664, 4725..4808, 4736..4810, 4737..4808, 5169..5234, 5171..5317, 5177..5314, 5181..5318, 5471..5581, 5472..5582, 5934..6101, 5934..6101, 5935..6102, 5936..6103		

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o1.tc	Method	TBLASTX:Cress
Start	1978	End	3268
GI	none	Score	87
Exons	1978..2043, 2321..2518, 2430..2516, 2453..2518, 2611..2664, 2611..2667, 2615..2668, 3215..3268		

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o1.tw	Method	TBLASTX:Wheat
Start	2324	End	2670
GI	none	Score	233
Exons	2324..2521, 2328..2522, 2328..2534, 2356..2523, 2608..2670, 2608..2667		

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o2.tw	Method	TBLASTX:Wheat
Start	3426	End	4074
GI	none	Score	145
Exons	3426..3545, 3427..3537, 3939..4070, 3940..4074		

Seq. No.	18462	Seq. ID	OJ990406_06.9819.C8
Gene No.	38802	Strand	-
Start	1412	End	6646
Name	OJ990406_06.9819.C8.o2.gp	Method	AAT/GAP
Start	5007	End	5529
GI	uC-osflcyp141d01b1	Score	704
Exons	5007..5330, 5460..5529		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 9.0e-14 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552

Name	OJ990406_06.9819.C9.o1.np	Method	AAT/NAP
Start	1	End	1920
GI	6630556	Score	90
Exons	1..33, 702..785, 906..1002, 1823..1920		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o1.gs	Method	GENSCAN
Start	263	End	11552
GI	none	Score	.63
Exons	263..376, 906..1108, 1671..1782, 1867..2015, 2532..2553, 2781..2924, 3007..3199, 3286..3342, 3484..3587, 3894..3965, 4073..4191, 4808..4952, 5787..5932, 6035..6104, 6253..6400, 6574..6608, 6847..7043, 7407..7461, 7641..7754, 8439..8623, 11477..11552		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o1.tm	Method	TBLASTX:Maize
Start	702	End	7824
GI	none	Score	88
Exons	702..788, 730..807, 906..1004, 2546..2677, 2547..2726, 2775..2930, 2779..2931, 2780..2953, 2995..3198, 3007..3198, 3029..3202, 3285..3344, 3285..3344, 3484..3588, 3487..3588, 3488..3589, 3488..3607, 3883..3972, 3892..3963, 3894..3971, 4070..4198, 4071..4193, 4073..4198, 4788..4934, 4795..4953, 4796..4972, 4916..4969, 5486..5551, 5497..5553, 5621..5674, 5625..5675, 5626..5676, 5626..5676, 5784..5933, 5787..5876, 5791..5934, 5798..5941, 6021..6107, 6033..6107, 6034..6144, 6242..6397, 6243..6398, 6246..6398, 6247..6399, 6248..6403, 6490..6531, 6491..6538, 6502..6609, 6531..6608, 6535..6609, 6847..7044, 6848..7048, 6849..7049, 6849..7046, 7405..7461, 7406..7462, 7626..7724, 7636..7785, 7639..7722, 7640..7786, 7641..7754, 7741..7824		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o3.tc	Method	TBLASTX:Cress
Start	702	End	7710
GI	none	Score	83
Exons	702..788, 730..786, 906..944, 6898..7044, 6899..7048, 6899..7045, 7405..7461, 7406..7462, 7636..7710, 7641..7709		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o1.gp	Method	AAT/GAP
Start	2128	End	5856
GI	14187_1.R1084	Score	2812
Exons	2128..2668, 2781..2924, 3007..3199, 3286..3342, 3484..3587, 3894..3965, 4073..4191, 4808..4952, 5497..5549, 5628..5673, 5787..5856		

GI Descrip. '5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o2.np	Method	AAT/NAP
Start	2513	End	7820
GI	6630556	Score	1728
Exons	2513..2668, 2781..2924, 3007..3199, 3286..3342, 3484..3587, 3894..3965, 4073..4191, 4808..4952, 5497..5549, 5628..5673, 5787..5932, 6035..6104, 6253..6406, 6488..6608, 6847..7043, 7407..7461, 7641..7820		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o1.ts	Method	TBLASTX:Soybean
Start	2531	End	7044
GI	none	Score	54
Exons	2531..2680, 2583..2690, 2730..2849, 2779..2850, 3001..3201, 3004..3057, 3101..3205, 3125..3202, 3288..3344, 3292..3345, 3310..3354, 3472..3507, 3484..3588, 3486..3590, 3883..3969, 3894..3965, 4070..4201, 4080..4193, 4788..4934, 4807..4956, 5487..5540, 5497..5553, 5621..5677, 5626..5676, 5773..5934, 5784..5933, 6021..6107, 6034..6135, 6247..6387, 6248..6388, 6516..6608, 6847..6894, 6848..6898, 6895..7044, 6896..7039		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o1.tc	Method	TBLASTX:Cress
Start	2564	End	3561
GI	none	Score	58
Exons	2564..2695, 2583..2696, 2781..2849, 2788..2859, 2820..2930, 2986..3072, 3052..3201, 3104..3199, 3288..3344, 3291..3344, 3484..3561		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o1.tw	Method	TBLASTX:Wheat
Start	2995	End	3347
GI	none	Score	237
Exons	2995..3198, 2995..3198, 3032..3202, 3038..3214, 3284..3346, 3285..3347, 3285..3344		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o2.tc	Method	TBLASTX:Cress
Start	3894	End	5541
GI	none	Score	92
Exons	3894..3965, 4070..4201, 4089..4199, 4788..4934, 4807..4953, 4807..4935, 4820..4960, 5497..5541		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o2.tw	Method	TBLASTX:Wheat
Start	3945	End	5643
GI	none	Score	176
Exons	3945..3971, 4066..4191, 4070..4201, 4071..4193, 4788..4934, 4794..4898, 4795..4953, 4796..4954, 5486..5551, 5497..5553, 5626..5643		

Seq. No.	18463	Seq. ID	OJ990406_06.9819.C9
Gene No.	38803	Strand	-
Start	1	End	11552
Name	OJ990406_06.9819.C9.o2.gp	Method	AAT/GAP
Start	6035	End	8349
GI	31091_1.R1084	Score	1592
Exons	6035..6104, 6253..6400, 6488..6608, 6847..7043, 7407..7461, 7641..7858, 8278..8349		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	18464	Seq. ID	OJ990406_06.9819.C10
Gene No.	38804	Strand	+
Start	727	End	1272
Name	OJ990406_06.9819.C10.o1.gs	Method	GENSCAN
Start	727	End	1272
GI	none	Score	.56
Exons	727..878, 1094..1272		

Seq. No.	18464	Seq. ID	OJ990406_06.9819.C10
Gene No.	38805	Strand	-
Start	912	End	1829
Name	OJ990406_06.9819.C10.o1.gp	Method	AAT/GAP
Start	912	End	1829
GI	5455584	Score	1211
Exons	912..1245, 1341..1598, 1703..1829		
GI Descrip.	5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	18465	Seq. ID	OJ990406_06.9819.C11
Gene No.	38806	Strand	-
Start	1	End	2365
Name	OJ990406_06.9819.C11.o1.gp	Method	AAT/GAP
Start	1	End	461
GI	5455584	Score	535
Exons	1..284, 389..461		
GI Descrip.	5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	18465	Seq. ID	OJ990406_06.9819.C11
Gene No.	38806	Strand	-
Start	1	End	2365
Name	OJ990406_06.9819.C11.o2.gp	Method	AAT/GAP
Start	1	End	515
GI	5455584	Score	536
Exons	1..284, 389..515		

GI Descrip.	5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	18465	Seq. ID	OJ990406_06.9819.C11
Gene No.	38806	Strand	-
Start	1	End	2365
Name	OJ990406_06.9819.C11.o1.np	Method	AAT/NAP
Start	1	End	2365
GI	623586	Score	68
Exons	1..61, 964..1083, 2333..2365		
GI Descrip.	(L29273) putative [Nicotiana tabacum]		
Seq. No.	18465	Seq. ID	OJ990406_06.9819.C11
Gene No.	38806	Strand	-
Start	1	End	2365
Name	OJ990406_06.9819.C11.o3.gp	Method	AAT/GAP
Start	1713	End	2108
GI	4881046	Score	640
Exons	1713..2108		
Seq. No.	18466	Seq. ID	OJ990406_06.9819.C13
Gene No.	38807	Strand	-
Start	471	End	746
Name	OJ990406_06.9819.C13.o1.np	Method	AAT/NAP
Start	471	End	746
GI	4680186	Score	176
Exons	471..676, 707..746		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	18467	Seq. ID	OJ990406_06.9819.C14
Gene No.	38808	Strand	+
Start	1	End	760
Name	OJ990406_06.9819.C14.o1.np	Method	AAT/NAP
Start	1	End	760
GI	4680179	Score	694
Exons	1..760		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	18467	Seq. ID	OJ990406_06.9819.C14
Gene No.	38808	Strand	+
Start	1	End	760
Name	OJ990406_06.9819.C14.o1.gs	Method	GENSCAN
Start	43	End	721
GI	none	Score	.91
Exons	43..721		
Seq. No.	18467	Seq. ID	OJ990406_06.9819.C14
Gene No.	38808	Strand	+
Start	1	End	760
Name	OJ990406_06.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	121	End	320
GI	none	Score	211
Exons	121..318, 123..320		
Seq. No.	18467	Seq. ID	OJ990406_06.9819.C14
Gene No.	38808	Strand	+
Start	1	End	760

Name	OJ990406_06.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	347	End	705
GI	none	Score	61
Exons	347..523, 354..548, 355..705		

Seq. No.	18467	Seq. ID	OJ990406_06.9819.C14
Gene No.	38808	Strand	+
Start	1	End	760
Name	OJ990406_06.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	355	End	657
GI	none	Score	231
Exons	355..657, 369..485		

Seq. No.	18468	Seq. ID	OJ990406_06.9819.C15
Gene No.	38809	Strand	+
Start	101	End	1907
Name	OJ990406_06.9819.C15.o1.gp	Method	AAT/GAP
Start	101	End	1902
GI	9263_1.R1084	Score	767
Exons	101..176, 880..979, 1084..1135, 1575..1712, 1814..1902		
GI Descrip.	'5817065/emb|CAB53665.1| 6.0e-11 (AL110160) hypothetical protein [Homo sapiens]'		

Seq. No.	18468	Seq. ID	OJ990406_06.9819.C15
Gene No.	38809	Strand	+
Start	101	End	1907
Name	OJ990406_06.9819.C15.o1.gs	Method	GENSCAN
Start	880	End	1907
GI	none	Score	.66
Exons	880..979, 1102..1135, 1575..1712, 1772..1907		

Seq. No.	18468	Seq. ID	OJ990406_06.9819.C15
Gene No.	38810	Strand	-
Start	2136	End	2516
Name	OJ990406_06.9819.C15.o2.gp	Method	AAT/GAP
Start	2136	End	2516
GI	none	Score	685
Exons	2136..2516		

Seq. No.	18468	Seq. ID	OJ990406_06.9819.C15
Gene No.	38811	Strand	-
Start	2970	End	3183
Name	OJ990406_06.9819.C15.o2.tm	Method	TBLASTX:Maize
Start	894	End	1712
GI	none	Score	44
Exons	894..923, 895..924, 913..996, 921..986, 923..1015, 1079..1135, 1082..1132, 1083..1133, 1572..1712, 1573..1686		

Seq. No.	18468	Seq. ID	OJ990406_06.9819.C15
Gene No.	38811	Strand	-
Start	2970	End	3183
Name	OJ990406_06.9819.C15.o1.tc	Method	TBLASTX:Cress
Start	1811	End	2046
GI	none	Score	132
Exons	1811..1903, 1812..1904, 1815..1904, 1981..2046, 1983..2045		

Seq. No.	18468	Seq. ID	OJ990406_06.9819.C15

Gene No.	38811	Strand	-
Start	2970	End	3183
Name	OJ990406_06.9819.C15.o1.tm	Method	TBLASTX:Maize
Start	1824	End	2045
GI	none	Score	137
Exons	1824..1901, 1826..1900, 1827..1901, 1975..2043, 1986..2045, 1986..2039		

Seq. No.	18468	Seq. ID	OJ990406_06.9819.C15
Gene No.	38811	Strand	-
Start	2970	End	3183
Name	OJ990406_06.9819.C15.o3.gp	Method	AAT/GAP
Start	2612	End	3095
GI	none	Score	858
Exons	2612..3095		

Seq. No.	18468	Seq. ID	OJ990406_06.9819.C15
Gene No.	38811	Strand	-
Start	2970	End	3183
Name	OJ990406_06.9819.C15.o2.gs	Method	GENSCAN
Start	2970	End	3183
GI	none	Score	.85
Exons	2970..3183		

Seq. No.	18469	Seq. ID	OJ990406_06.9819.C17
Gene No.	38812	Strand	+
Start	337	End	1585
Name	OJ990406_06.9819.C17.o1.gs	Method	GENSCAN
Start	337	End	1585
GI	none	Score	.5
Exons	337..386, 1470..1585		

Seq. No.	18469	Seq. ID	OJ990406_06.9819.C17
Gene No.	38813	Strand	-
Start	2727	End	3359
Name	OJ990406_06.9819.C17.o1.np	Method	AAT/NAP
Start	2727	End	3359
GI	479356	Score	673
Exons	2727..3359		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	18469	Seq. ID	OJ990406_06.9819.C17
Gene No.	38813	Strand	-
Start	2727	End	3359
Name	OJ990406_06.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	2733	End	3299
GI	none	Score	61
Exons	2733..2867, 2748..2798, 2926..3096, 2985..3098, 3120..3299		

Seq. No.	18469	Seq. ID	OJ990406_06.9819.C17
Gene No.	38813	Strand	-
Start	2727	End	3359
Name	OJ990406_06.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	2733	End	3299
GI	none	Score	108
Exons	2733..2879, 2985..3098, 2986..3099, 3120..3299, 3138..3299		

Seq. No.	18469	Seq. ID	OJ990406_06.9819.C17
Gene No.	38813	Strand	-
Start	2727	End	3359
Name	OJ990406_06.9819.C17.o1.ts	Method	TBLASTX:Soybean
Start	2733	End	3299
GI	none	Score	82
Exons	2733..2831, 2949..3119, 2950..3096, 3132..3299, 3133..3285, 3138..3299		

Seq. No.	18469	Seq. ID	OJ990406_06.9819.C17
Gene No.	38813	Strand	-
Start	2727	End	3359
Name	OJ990406_06.9819.C17.o1.tw	Method	TBLASTX:Wheat
Start	3039	End	3300
GI	none	Score	238
Exons	3039..3299, 3040..3300, 3064..3300		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38814	Strand	+
Start	7768	End	7855
Name	OJ990406_06.9819.C18.o1.gp	Method	AAT/GAP
Start	7768	End	7855
GI	5867_1.R1084	Score	127
Exons	7768..7855		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38815	Strand	+
Start	11059	End	12078
Name	OJ990406_06.9819.C18.o4.np	Method	AAT/NAP
Start	11059	End	12078
GI	6907088	Score	973
Exons	11059..11196, 11372..11611, 11695..12078		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38816	Strand	+
Start	12056	End	12805
Name	OJ990406_06.9819.C18.o5.np	Method	AAT/NAP
Start	12056	End	12805
GI	5734635	Score	215
Exons	12056..12169, 12221..12475, 12662..12805		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38817	Strand	-
Start	1	End	1881
Name	OJ990406_06.9819.C18.o1.np	Method	AAT/NAP
Start	1	End	1881
GI	479356	Score	1869
Exons	1..1881		

GI Descrip. protein kinase PK1 (EC 2.7.1.-), receptor-like - maize

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38817	Strand	-
Start	1	End	1881
Name	OJ990406_06.9819.C18.o1.gs	Method	GENSCAN
Start	16	End	1881
GI	none	Score	.98
Exons	16..1881		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38818	Strand	-
Start	3690	End	4807
Name	OJ990406_06.9819.C18.o2.np	Method	AAT/NAP
Start	3690	End	4807
GI	6692684	Score	472
Exons	3690..4807		
GI Descrip.	(AC007592) F12K11.21 [Arabidopsis thaliana]		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o1.tm	Method	TBLASTX:Maize
Start	29	End	258
GI	none	Score	195
Exons	29..238, 55..186, 175..258		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o2.ts	Method	TBLASTX:Soybean
Start	55	End	301
GI	none	Score	129
Exons	55..300, 56..301		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o2.tm	Method	TBLASTX:Maize
Start	1342	End	1659
GI	none	Score	60
Exons	1342..1530, 1388..1468, 1507..1659		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o2.tc	Method	TBLASTX:Cress
Start	1378	End	1626
GI	none	Score	81
Exons	1378..1578, 1400..1468, 1514..1576, 1597..1626		

Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o1.ts	Method	TBLASTX:Soybean
Start	3735	End	4541
GI	none	Score	205

Exons	3735..4025, 3739..4020, 4008..4109, 4045..4119, 4093..4539, 4098..4541, 4113..4541		
Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o1.tc	Method	TBLASTX:Cress
Start	3750	End	4013
GI	none	Score	193
Exons	3750..4013		
Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o3.tm	Method	TBLASTX:Maize
Start	3750	End	4014
GI	none	Score	75
Exons	3750..4013, 3754..4014		
Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o3.np	Method	AAT/NAP
Start	5964	End	12139
GI	3128169	Score	166
Exons	5964..6338, 7306..7449, 8060..8113, 8282..8433, 8620..8840, 9460..9544, 12084..12139		
GI Descrip.	(AC004521) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o3.gs	Method	GENSCAN
Start	7261	End	8418
GI	none	Score	.46
Exons	7261..7395, 8257..8418		
Seq. No.	18470	Seq. ID	OJ990406_06.9819.C18
Gene No.	38819	Strand	-
Start	5964	End	12694
Name	OJ990406_06.9819.C18.o4.gs	Method	GENSCAN
Start	10506	End	12694
GI	none	Score	.55
Exons	10506..10576, 11073..11289, 12020..12220, 12669..12694		
Seq. No.	18471	Seq. ID	OJ990406_06.9819.C19
Gene No.	38820	Strand	+
Start	153	End	675
Name	OJ990406_06.9819.C19.o1.gs	Method	GENSCAN
Start	153	End	675
GI	none	Score	.61
Exons	153..171, 590..675		
Seq. No.	18472	Seq. ID	OJ990406_06.9819.C20
Gene No.	38821	Strand	-
Start	25	End	344
Name	OJ990406_06.9819.C20.o1.gs	Method	GENSCAN

Start	25	End	344
GI	none	Score	.67
Exons	25..344		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	1086	End	1271
GI	none	Score	203
Exons	1086..1271, 1107..1262		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o4.tm	Method	TBLASTX:Maize
Start	1086	End	1262
GI	none	Score	196
Exons	1086..1262, 1110..1253		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o1.tw	Method	TBLASTX:Wheat
Start	1086	End	1262
GI	none	Score	183
Exons	1086..1262, 1110..1262		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o3.ts	Method	TBLASTX:Soybean
Start	1092	End	1283
GI	none	Score	211
Exons	1092..1283, 1110..1256		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o1.np	Method	AAT/NAP
Start	2644	End	4662
GI	5903099	Score	1218
Exons	2644..4662		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o3.tm	Method	TBLASTX:Maize
Start	2692	End	3330
GI	none	Score	85
Exons	2692..2799, 3106..3330, 3130..3330		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o2.ts	Method	TBLASTX:Soybean

Start	3271	End	3660
GI	none	Score	176
Exons	3271..3462, 3279..3374, 3376..3492, 3396..3431, 3493..3660		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o2.tm	Method	TBLASTX:Maize
Start	3331	End	3758
GI	none	Score	74
Exons	3331..3420, 3391..3510, 3508..3756, 3519..3758, 3568..3756, 3675..3758		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	3714	End	4182
GI	none	Score	420
Exons	3714..3914, 3718..4182, 3999..4181		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	3759	End	4757
GI	none	Score	89
Exons	3759..4025, 3759..4223, 3760..4251, 4084..4251, 4294..4563, 4308..4538, 4390..4560, 4612..4659, 4725..4757		

Seq. No.	18473	Seq. ID	OJ990406_06.9819.C22
Gene No.	38822	Strand	+
Start	2644	End	4757
Name	OJ990406_06.9819.C22.o4.ts	Method	TBLASTX:Soybean
Start	4393	End	4653
GI	none	Score	196
Exons	4393..4560, 4612..4653		

Seq. No.	18474	Seq. ID	OJ990406_06.9819.C23
Gene No.	38823	Strand	+
Start	658	End	1166
Name	OJ990406_06.9819.C23.o1.gs	Method	GENSCAN
Start	658	End	1166
GI	none	Score	.75
Exons	658..792, 966..1166		

Seq. No.	18474	Seq. ID	OJ990406_06.9819.C23
Gene No.	38823	Strand	+
Start	658	End	1166
Name	OJ990406_06.9819.C23.o1.gp	Method	AAT/GAP
Start	969	End	1149
GI	none	Score	252
Exons	969..1149		

Seq. No.	18474	Seq. ID	OJ990406_06.9819.C23
Gene No.	38824	Strand	-
Start	2233	End	4422

Name	OJ990406_06.9819.C23.o2.gs	Method	GENSCAN
Start	2233	End	4422
GI	none	Score	.66
Exons	2233..2313, 2648..2716, 2761..2853, 2982..3054, 3143..3237, 3914..4001, 4133..4422		

Seq. No.	18475	Seq. ID	OJ990406_06.9819.C25
Gene No.	38825	Strand	-
Start	1	End	652
Name	OJ990406_06.9819.C25.o1.np	Method	AAT/NAP
Start	1	End	652
GI	6016696	Score	361
Exons	1..117, 157..652		
GI Descrip.	(AC009991) unknown protein [Arabidopsis thaliana]		

Seq. No.	18475	Seq. ID	OJ990406_06.9819.C25
Gene No.	38825	Strand	-
Start	1	End	652
Name	OJ990406_06.9819.C25.o1.gs	Method	GENSCAN
Start	26	End	652
GI	none	Score	.51
Exons	26..221, 350..652		

Seq. No.	18475	Seq. ID	OJ990406_06.9819.C25
Gene No.	38825	Strand	-
Start	1	End	652
Name	OJ990406_06.9819.C25.o1.tm	Method	TBLASTX:Maize
Start	74	End	513
GI	none	Score	89
Exons	74..325, 203..319, 217..342, 258..326, 311..388, 370..480, 388..513, 395..511		

Seq. No.	18476	Seq. ID	OJ990406_06.9819.C26
Gene No.	38826	Strand	+
Start	61	End	683
Name	OJ990406_06.9819.C26.o1.tm	Method	TBLASTX:Maize
Start	49	End	609
GI	none	Score	70
Exons	49..144, 357..602, 361..609		

Seq. No.	18476	Seq. ID	OJ990406_06.9819.C26
Gene No.	38826	Strand	+
Start	61	End	683
Name	OJ990406_06.9819.C26.o1.gs	Method	GENSCAN
Start	61	End	683
GI	none	Score	.94
Exons	61..683		

Seq. No.	18477	Seq. ID	OJ990406_06.9819.C27
Gene No.	38827	Strand	+
Start	79	End	249
Name	OJ990406_06.9819.C27.o1.gs	Method	GENSCAN
Start	79	End	249
GI	none	Score	.84
Exons	79..249		

Seq. No.	18478	Seq. ID	OJ990406_06.9819.C28

Gene No.	38828	Strand	-
Start	21	End	255
Name	OJ990406_06.9819.C28.o1.gs	Method	GENSCAN
Start	21	End	255
GI	none	Score	.5
Exons	21..255		

Seq. No.	18479	Seq. ID	OJ990406_06.9819.C29
Gene No.	38829	Strand	+
Start	59	End	1986
Name	OJ990406_06.9819.C29.o1.gs	Method	GENSCAN
Start	59	End	1986
GI	none	Score	.58
Exons	59..928, 1020..1485, 1510..1568, 1604..1986		

Seq. No.	18479	Seq. ID	OJ990406_06.9819.C29
Gene No.	38829	Strand	+
Start	59	End	1986
Name	OJ990406_06.9819.C29.o1.tm	Method	TBLASTX:Maize
Start	785	End	1018
GI	none	Score	195
Exons	785..1018, 800..931, 819..935, 823..951		

Seq. No.	18480	Seq. ID	OJ990406_06.9819.C30
Gene No.	38830	Strand	-
Start	1601	End	2509
Name	OJ990406_06.9819.C30.o1.gs	Method	GENSCAN
Start	1601	End	2203
GI	none	Score	.85
Exons	1601..2203		

Seq. No.	18480	Seq. ID	OJ990406_06.9819.C30
Gene No.	38830	Strand	-
Start	1601	End	2509
Name	OJ990406_06.9819.C30.o1.np	Method	AAT/NAP
Start	1664	End	2509
GI	5257262	Score	306
Exons	1664..1747, 1946..2509		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	18480	Seq. ID	OJ990406_06.9819.C30
Gene No.	38830	Strand	-
Start	1601	End	2509
Name	OJ990406_06.9819.C30.o1.tw	Method	TBLASTX:Wheat
Start	1943	End	2324
GI	none	Score	102
Exons	1943..2044, 1944..2216, 2093..2215, 2246..2323, 2250..2324		

Seq. No.	18481	Seq. ID	OJ990406_06.9819.C31
Gene No.	38831	Strand	+
Start	815	End	1219
Name	OJ990406_06.9819.C31.o1.gs	Method	GENSCAN
Start	815	End	1219
GI	none	Score	.98
Exons	815..1219		

Seq. No.	18481	Seq. ID	OJ990406_06.9819.C31

Gene No.	38832	Strand	-
Start	1739	End	3123
Name	OJ990406_06.9819.C31.o2.gs	Method	GENSCAN
Start	1739	End	2545
GI	none	Score	.54
Exons	1739..2545		

Seq. No.	18481	Seq. ID	OJ990406_06.9819.C31
Gene No.	38832	Strand	-
Start	1739	End	3123
Name	OJ990406_06.9819.C31.o1.np	Method	AAT/NAP
Start	1808	End	3123
GI	5257262	Score	314
Exons	1808..1900, 2039..2554, 3056..3123		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	18481	Seq. ID	OJ990406_06.9819.C31
Gene No.	38832	Strand	-
Start	1739	End	3123
Name	OJ990406_06.9819.C31.o1.tw	Method	TBLASTX:Wheat
Start	2027	End	2410
GI	none	Score	98
Exons	2027..2335, 2028..2300, 2309..2410, 2325..2408		

Seq. No.	18482	Seq. ID	OJ990406_06.9819.C33
Gene No.	38833	Strand	+
Start	150	End	1831
Name	OJ990406_06.9819.C33.o1.gs	Method	GENSCAN
Start	150	End	1831
GI	none	Score	.84
Exons	150..546, 647..802, 1562..1831		

Seq. No.	18483	Seq. ID	OJ990406_06.9819.C34
Gene No.	38834	Strand	+
Start	49	End	547
Name	OJ990406_06.9819.C34.o1.gs	Method	GENSCAN
Start	49	End	547
GI	none	Score	.71
Exons	49..118, 162..305, 484..547		

Seq. No.	18483	Seq. ID	OJ990406_06.9819.C34
Gene No.	38835	Strand	-
Start	3069	End	4290
Name	OJ990406_06.9819.C34.o2.gs	Method	GENSCAN
Start	3069	End	4087
GI	none	Score	.78
Exons	3069..3377, 3642..3875, 4007..4087		

Seq. No.	18483	Seq. ID	OJ990406_06.9819.C34
Gene No.	38835	Strand	-
Start	3069	End	4290
Name	OJ990406_06.9819.C34.o1.tm	Method	TBLASTX:Maize
Start	3657	End	4290
GI	none	Score	129
Exons	3657..3863, 3657..3881, 3658..3879, 4001..4093, 4005..4094, 4165..4206, 4168..4200, 4207..4290, 4211..4288		

Seq. No.	18484	Seq. ID	OJ990406_06.9819.C35
Gene No.	38836	Strand	+
Start	1248	End	2167
Name	OJ990406_06.9819.C35.o1.gs	Method	GENSCAN
Start	1248	End	2105
GI	none	Score	.93
Exons	1248..2105		

Seq. No.	18484	Seq. ID	OJ990406_06.9819.C35
Gene No.	38836	Strand	+
Start	1248	End	2167
Name	OJ990406_06.9819.C35.o1.np	Method	AAT/NAP
Start	1287	End	2167
GI	3402705	Score	439
Exons	1287..1682, 1785..2167		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18484	Seq. ID	OJ990406_06.9819.C35
Gene No.	38836	Strand	+
Start	1248	End	2167
Name	OJ990406_06.9819.C35.o1.tm	Method	TBLASTX:Maize
Start	1461	End	1864
GI	none	Score	250
Exons	1461..1577, 1523..1681, 1524..1682, 1626..1688, 1782..1826, 1782..1856, 1784..1864		

Seq. No.	18484	Seq. ID	OJ990406_06.9819.C35
Gene No.	38836	Strand	+
Start	1248	End	2167
Name	OJ990406_06.9819.C35.o2.ts	Method	TBLASTX:Soybean
Start	1526	End	1658
GI	none	Score	182
Exons	1526..1657, 1527..1658		

Seq. No.	18484	Seq. ID	OJ990406_06.9819.C35
Gene No.	38836	Strand	+
Start	1248	End	2167
Name	OJ990406_06.9819.C35.o1.ts	Method	TBLASTX:Soybean
Start	1797	End	2156
GI	none	Score	50
Exons	1797..1826, 1797..1847, 1865..2014, 1866..2051, 2102..2128, 2103..2156		

Seq. No.	18484	Seq. ID	OJ990406_06.9819.C35
Gene No.	38836	Strand	+
Start	1248	End	2167
Name	OJ990406_06.9819.C35.o2.tm	Method	TBLASTX:Maize
Start	1865	End	2162
GI	none	Score	149
Exons	1865..2032, 1865..2083, 1866..2084, 2046..2162, 2093..2161		

Seq. No.	18485	Seq. ID	OJ990406_06.9819.C36
Gene No.	38837	Strand	+
Start	1301	End	5173
Name	OJ990406_06.9819.C36.o1.gs	Method	GENSCAN
Start	1301	End	5173
GI	none	Score	.74

Exons	1301..1449, 1602..1785, 4309..4556, 4678..4851, 4962..5118, 5160..5173		
Seq. No.	18485	Seq. ID	OJ990406_06.9819.C36
Gene No.	38837	Strand	+
Start	1301	End	5173
Name	OJ990406_06.9819.C36.o1.gp	Method	AAT/GAP
Start	1381	End	1785
GI	none	Score	460
Exons	1381..1450, 1529..1785		
Seq. No.	18485	Seq. ID	OJ990406_06.9819.C36
Gene No.	38837	Strand	+
Start	1301	End	5173
Name	OJ990406_06.9819.C36.o1.tm	Method	TBLASTX:Maize
Start	1725	End	5120
GI	none	Score	61
Exons	1725..1790, 4311..4595, 4313..4492, 4320..4526, 4673..4810, 4677..4847, 4678..4851, 4678..4854, 4688..4852, 4956..5120, 4962..5120		
Seq. No.	18485	Seq. ID	OJ990406_06.9819.C36
Gene No.	38837	Strand	+
Start	1301	End	5173
Name	OJ990406_06.9819.C36.o2.gp	Method	AAT/GAP
Start	4306	End	4414
GI	none	Score	178
Exons	4306..4414		
Seq. No.	18485	Seq. ID	OJ990406_06.9819.C36
Gene No.	38837	Strand	+
Start	1301	End	5173
Name	OJ990406_06.9819.C36.o1.ts	Method	TBLASTX:Soybean
Start	4398	End	4746
GI	none	Score	200
Exons	4398..4595, 4403..4492, 4416..4556, 4678..4746		
Seq. No.	18486	Seq. ID	OJ990406_06.9819.C37
Gene No.	38838	Strand	+
Start	112	End	678
Name	OJ990406_06.9819.C37.o1.gs	Method	GENSCAN
Start	112	End	678
GI	none	Score	.97
Exons	112..130, 405..544, 643..678		
Seq. No.	18487	Seq. ID	OJ990406_06.9819.C38
Gene No.	38839	Strand	-
Start	798	End	1121
Name	OJ990406_06.9819.C38.o1.gs	Method	GENSCAN
Start	798	End	1121
GI	none	Score	.55
Exons	798..1121		
Seq. No.	18488	Seq. ID	OJ990406_06.9819.C39
Gene No.	38840	Strand	+
Start	101	End	1679
Name	OJ990406_06.9819.C39.o1.tm	Method	TBLASTX:Maize

Start	84	End	603
GI	none	Score	51
Exons	84..200, 146..196, 150..248, 161..226, 236..385, 243..389, 243..332, 251..316, 320..373, 320..394, 479..595, 483..578, 483..602, 484..603		

Seq. No.	18488	Seq. ID	OJ990406_06.9819.C39
Gene No.	38840	Strand	+
Start	101	End	1679
Name	OJ990406_06.9819.C39.o1.gs	Method	GENSCAN
Start	101	End	1679
GI	none	Score	.91
Exons	101..403, 487..624, 732..965, 1332..1679		

Seq. No.	18488	Seq. ID	OJ990406_06.9819.C39
Gene No.	38840	Strand	+
Start	101	End	1679
Name	OJ990406_06.9819.C39.o1.gp	Method	AAT/GAP
Start	907	End	1569
GI	2799515	Score	473
Exons	907..965, 1332..1569		

Seq. No.	18489	Seq. ID	OJ990406_06.9819.C41
Gene No.	38841	Strand	-
Start	1	End	768
Name	OJ990406_06.9819.C41.o1.np	Method	AAT/NAP
Start	1	End	768
GI	5441880	Score	534
Exons	1..23, 353..682, 739..768		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18490	Seq. ID	OJ990406_06.9819.C43
Gene No.	38842	Strand	+
Start	229	End	397
Name	OJ990406_06.9819.C43.o1.gs	Method	GENSCAN
Start	229	End	397
GI	none	Score	.51
Exons	229..397		

Seq. No.	18490	Seq. ID	OJ990406_06.9819.C43
Gene No.	38843	Strand	-
Start	364	End	638
Name	OJ990406_06.9819.C43.o1.gp	Method	AAT/GAP
Start	364	End	638
GI	none	Score	400
Exons	364..638		

Seq. No.	18491	Seq. ID	OJ990406_06.9819.C46
Gene No.	38844	Strand	+
Start	579	End	780
Name	OJ990406_06.9819.C46.o1.np	Method	AAT/NAP
Start	579	End	780
GI	6907088	Score	183
Exons	579..780		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18492	Seq. ID	OJ990406_06.9819.C47
Gene No.	38845	Strand	+
Start	434	End	1021
Name	OJ990406_06.9819.C47.o1.gp	Method	AAT/GAP
Start	434	End	1021
GI	15870_2.R1084	Score	273
Exons	434..616, 1006..1021		
GI Descrip.	'287403/dbj|D10838|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	18492	Seq. ID	OJ990406_06.9819.C47
Gene No.	38846	Strand	-
Start	667	End	950
Name	OJ990406_06.9819.C47.o1.gs	Method	GENSCAN
Start	667	End	950
GI	none	Score	.99
Exons	667..827, 914..950		

Seq. No.	18493	Seq. ID	OJ990406_06.9819.C50
Gene No.	38847	Strand	-
Start	408	End	1480
Name	OJ990406_06.9819.C50.o1.tc	Method	TBLASTX:Cress
Start	405	End	963
GI	none	Score	114
Exons	405..962, 408..665, 664..963		

Seq. No.	18493	Seq. ID	OJ990406_06.9819.C50
Gene No.	38847	Strand	-
Start	408	End	1480
Name	OJ990406_06.9819.C50.o2.ts	Method	TBLASTX:Soybean
Start	405	End	698
GI	none	Score	114
Exons	405..698, 406..585		

Seq. No.	18493	Seq. ID	OJ990406_06.9819.C50
Gene No.	38847	Strand	-
Start	408	End	1480
Name	OJ990406_06.9819.C50.o2.tm	Method	TBLASTX:Maize
Start	405	End	671
GI	none	Score	95
Exons	405..671, 406..567		

Seq. No.	18493	Seq. ID	OJ990406_06.9819.C50
Gene No.	38847	Strand	-
Start	408	End	1480
Name	OJ990406_06.9819.C50.o1.np	Method	AAT/NAP
Start	408	End	1480
GI	4263522	Score	849
Exons	408..1480		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18493	Seq. ID	OJ990406_06.9819.C50
Gene No.	38847	Strand	-
Start	408	End	1480
Name	OJ990406_06.9819.C50.o1.tm	Method	TBLASTX:Maize
Start	675	End	1478

GI	none	Score	72
Exons	675..1478, 712..924, 961..1395, 1143..1472, 1215..1457		

Seq. No.	18493	Seq. ID	OJ990406_06.9819.C50
Gene No.	38847	Strand	-
Start	408	End	1480
Name	OJ990406_06.9819.C50.o1.ts	Method	TBLASTX:Soybean
Start	708	End	1238
GI	none	Score	87
Exons	708..1238, 730..894, 922..1194		

Seq. No.	18493	Seq. ID	OJ990406_06.9819.C50
Gene No.	38847	Strand	-
Start	408	End	1480
Name	OJ990406_06.9819.C50.o1.tw	Method	TBLASTX:Wheat
Start	957	End	1469
GI	none	Score	89
Exons	957..1025, 1101..1469, 1102..1197		

Seq. No.	18493	Seq. ID	OJ990406_06.9819.C50
Gene No.	38847	Strand	-
Start	408	End	1480
Name	OJ990406_06.9819.C50.o2.tc	Method	TBLASTX:Cress
Start	987	End	1370
GI	none	Score	139
Exons	987..1370, 1024..1197, 1035..1226		

Seq. No.	18494	Seq. ID	OJ990406_06.9819.C51
Gene No.	38848	Strand	-
Start	108	End	283
Name	OJ990406_06.9819.C51.o1.gs	Method	GENSCAN
Start	108	End	283
GI	none	Score	.61
Exons	108..171, 261..283		

Seq. No.	18495	Seq. ID	OJ990406_06.9819.C52
Gene No.	38849	Strand	+
Start	282	End	356
Name	OJ990406_06.9819.C52.o1.gs	Method	GENSCAN
Start	282	End	356
GI	none	Score	.89
Exons	282..356		

Seq. No.	18496	Seq. ID	OJ990406_06.9819.C55
Gene No.	38850	Strand	+
Start	365	End	1480
Name	OJ990406_06.9819.C55.o1.gs	Method	GENSCAN
Start	365	End	1466
GI	none	Score	.72
Exons	365..512, 773..969, 1050..1130, 1262..1466		

Seq. No.	18496	Seq. ID	OJ990406_06.9819.C55
Gene No.	38850	Strand	+
Start	365	End	1480
Name	OJ990406_06.9819.C55.o1.tm	Method	TBLASTX:Maize
Start	799	End	1480
GI	none	Score	181

Exons	799..930, 799..912, 800..913, 831..926, 931..972, 931..969, 1043..1132, 1044..1136, 1256..1480, 1257..1478, 1258..1479, 1274..1480		
Seq. No.	18497	Seq. ID	OJ990406_06.9819.C56
Gene No.	38851	Strand	+
Start	210	End	289
Name	OJ990406_06.9819.C56.o1.gs	Method	GENSCAN
Start	210	End	289
GI	none	Score	.5
Exons	210..289		
Seq. No.	18498	Seq. ID	OJ990406_06.9819.C59
Gene No.	38852	Strand	-
Start	1	End	1619
Name	OJ990406_06.9819.C59.o1.np	Method	AAT/NAP
Start	1	End	1619
GI	4680207	Score	277
Exons	1..55, 837..1619		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	18498	Seq. ID	OJ990406_06.9819.C59
Gene No.	38852	Strand	-
Start	1	End	1619
Name	OJ990406_06.9819.C59.o1.gs	Method	GENSCAN
Start	797	End	1534
GI	none	Score	.97
Exons	797..1534		
Seq. No.	18498	Seq. ID	OJ990406_06.9819.C59
Gene No.	38852	Strand	-
Start	1	End	1619
Name	OJ990406_06.9819.C59.o2.tm	Method	TBLASTX:Maize
Start	914	End	1105
GI	none	Score	123
Exons	914..1105, 915..1076, 947..1105		
Seq. No.	18498	Seq. ID	OJ990406_06.9819.C59
Gene No.	38852	Strand	-
Start	1	End	1619
Name	OJ990406_06.9819.C59.o2.np	Method	AAT/NAP
Start	921	End	1619
GI	6721550	Score	205
Exons	921..1619		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		
Seq. No.	18498	Seq. ID	OJ990406_06.9819.C59
Gene No.	38852	Strand	-
Start	1	End	1619
Name	OJ990406_06.9819.C59.o1.tm	Method	TBLASTX:Maize
Start	1106	End	1618
GI	none	Score	119
Exons	1106..1369, 1124..1354, 1146..1373, 1394..1618, 1406..1618		
Seq. No.	18498	Seq. ID	OJ990406_06.9819.C59
Gene No.	38852	Strand	-

Start	1	End	1619
Name	OJ990406_06.9819.C59.o1.tw	Method	TBLASTX:Wheat
Start	1427	End	1619
GI	none	Score	86
Exons	1427..1537, 1427..1618, 1521..1619		

Seq. No.	18499	Seq. ID	OJ990406_06.9819.C61
Gene No.	38853	Strand	+
Start	1	End	1487
Name	OJ990406_06.9819.C61.o1.np	Method	AAT/NAP
Start	1	End	1487
GI	6721506	Score	149
Exons	1..590, 1470..1487		
GI Descrip.	(AP001072) EST AU069682(C1560) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18499	Seq. ID	OJ990406_06.9819.C61
Gene No.	38853	Strand	+
Start	1	End	1487
Name	OJ990406_06.9819.C61.o1.gp	Method	AAT/GAP
Start	119	End	536
GI	5039025	Score	801
Exons	119..536		

Seq. No.	18499	Seq. ID	OJ990406_06.9819.C61
Gene No.	38853	Strand	+
Start	1	End	1487
Name	OJ990406_06.9819.C61.o1.gs	Method	GENSCAN
Start	238	End	714
GI	none	Score	.57
Exons	238..714		

Seq. No.	18500	Seq. ID	OJ990406_06.9819.C64
Gene No.	38854	Strand	-
Start	11	End	259
Name	OJ990406_06.9819.C64.o1.gp	Method	AAT/GAP
Start	11	End	213
GI	LIB3433-034-P1-K1-B9	Score	269
Exons	11..213		
GI Descrip.	'5107157/gb|AAD39991.1|AF150084_1 2.0e-20 (AF150084) small zinc finger-like protein [Malus domestica]'		

Seq. No.	18500	Seq. ID	OJ990406_06.9819.C64
Gene No.	38854	Strand	-
Start	11	End	259
Name	OJ990406_06.9819.C64.o1.gs	Method	GENSCAN
Start	20	End	211
GI	none	Score	.97
Exons	20..211		

Seq. No.	18500	Seq. ID	OJ990406_06.9819.C64
Gene No.	38854	Strand	-
Start	11	End	259
Name	OJ990406_06.9819.C64.o1.np	Method	AAT/NAP
Start	47	End	259
GI	5107157	Score	159
Exons	47..259		

GI Descrip. (AF150084) small zinc finger-like protein [Malus domestica]

Seq. No.	18500	Seq. ID	OJ990406_06.9819.C64
Gene No.	38854	Strand	-
Start	11	End	259
Name	OJ990406_06.9819.C64.o1.ts	Method	TBLASTX:Soybean
Start	51	End	212
GI	none	Score	75
Exons	51..212, 53..211		

Seq. No.	18501	Seq. ID	OJ990406_06.9819.C66
Gene No.	38855	Strand	+
Start	486	End	674
Name	OJ990406_06.9819.C66.o1.gs	Method	GENSCAN
Start	486	End	674
GI	none	Score	.65
Exons	486..674		

Seq. No.	18501	Seq. ID	OJ990406_06.9819.C66
Gene No.	38856	Strand	+
Start	1415	End	3153
Name	OJ990406_06.9819.C66.o2.gs	Method	GENSCAN
Start	1415	End	3152
GI	none	Score	.68
Exons	1415..1472, 1545..1600, 2084..2198, 2358..2457, 3119..3152		

Seq. No.	18501	Seq. ID	OJ990406_06.9819.C66
Gene No.	38856	Strand	+
Start	1415	End	3153
Name	OJ990406_06.9819.C66.o1.gp	Method	AAT/GAP
Start	1545	End	2168
GI	35428_1.R1084	Score	417
Exons	1545..1601, 1721..1922, 2148..2168		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	18501	Seq. ID	OJ990406_06.9819.C66
Gene No.	38856	Strand	+
Start	1415	End	3153
Name	OJ990406_06.9819.C66.o2.gp	Method	AAT/GAP
Start	1752	End	2797
GI	none	Score	956
Exons	1752..1886, 2084..2198, 2358..2457, 2621..2797		

Seq. No.	18501	Seq. ID	OJ990406_06.9819.C66
Gene No.	38856	Strand	+
Start	1415	End	3153
Name	OJ990406_06.9819.C66.o1.tm	Method	TBLASTX:Maize
Start	2092	End	3153
GI	none	Score	158
Exons	2092..2193, 2093..2194, 2093..2194, 2354..2458, 2355..2456, 2615..2695, 2619..2693, 2688..2807, 2689..2805, 2690..2806, 2727..2810, 2937..3029, 2948..3040, 2974..3030, 3120..3152, 3121..3153		

Seq. No.	18502	Seq. ID	OJ990406_06.9819.C68

Gene No.	38857	Strand	+
Start	136	End	384
Name	OJ990406_06.9819.C68.o1.gs	Method	GENSCAN
Start	136	End	384
GI	none	Score	.51
Exons	136..384		

Seq. No.	18503	Seq. ID	OJ990416_06.9819.C1
Gene No.	38858	Strand	-
Start	1	End	783
Name	OJ990416_06.9819.C1.o1.np	Method	AAT/NAP
Start	1	End	783
GI	4325344	Score	156
Exons	1..164, 621..783		
GI Descrip.	(AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]		

Seq. No.	18503	Seq. ID	OJ990416_06.9819.C1
Gene No.	38858	Strand	-
Start	1	End	783
Name	OJ990416_06.9819.C1.o1.gs	Method	GENSCAN
Start	397	End	609
GI	none	Score	.55
Exons	397..490, 554..609		

Seq. No.	18504	Seq. ID	OJ990416_06.9819.C3
Gene No.	38859	Strand	-
Start	1	End	416
Name	OJ990416_06.9819.C3.o1.np	Method	AAT/NAP
Start	1	End	416
GI	6730737	Score	101
Exons	1..416		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18504	Seq. ID	OJ990416_06.9819.C3
Gene No.	38859	Strand	-
Start	1	End	416
Name	OJ990416_06.9819.C3.o1.gs	Method	GENSCAN
Start	81	End	416
GI	none	Score	.96
Exons	81..416		

Seq. No.	18505	Seq. ID	OJ990416_06.9819.C4
Gene No.	38860	Strand	-
Start	1	End	551
Name	OJ990416_06.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	551
GI	4325344	Score	146
Exons	1..215, 414..551		
GI Descrip.	(AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]		

Seq. No.	18505	Seq. ID	OJ990416_06.9819.C4
Gene No.	38860	Strand	-
Start	1	End	551
Name	OJ990416_06.9819.C4.o1.gs	Method	GENSCAN
Start	423	End	551

GI	none	Score	.95
Exons	423..551		

Seq. No.	18506	Seq. ID	OJ990416_06.9819.C5
Gene No.	38861	Strand	+
Start	1	End	827
Name	OJ990416_06.9819.C5.o1.np	Method	AAT/NAP
Start	1	End	827
GI	4538961	Score	211
Exons	1..270, 745..827		
GI Descrip.	(AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	18506	Seq. ID	OJ990416_06.9819.C5
Gene No.	38861	Strand	+
Start	1	End	827
Name	OJ990416_06.9819.C5.o1.tm	Method	TBLASTX:Maize
Start	93	End	266
GI	none	Score	267
Exons	93..233, 96..266, 97..234		

Seq. No.	18507	Seq. ID	OJ990416_06.9819.C6
Gene No.	38862	Strand	+
Start	98	End	406
Name	OJ990416_06.9819.C6.o1.gp	Method	AAT/GAP
Start	98	End	406
GI	23683_1.R1084	Score	285
Exons	98..180, 294..406		
GI Descrip.	'4538961/emb|CAB39785.1| 2.0e-56 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	18507	Seq. ID	OJ990416_06.9819.C6
Gene No.	38863	Strand	-
Start	921	End	1239
Name	OJ990416_06.9819.C6.o1.tm	Method	TBLASTX:Maize
Start	98	End	676
GI	none	Score	97
Exons	98..190, 99..191, 99..197, 282..383, 290..388, 292..381, 460..597, 461..556, 461..622, 623..676		

Seq. No.	18507	Seq. ID	OJ990416_06.9819.C6
Gene No.	38863	Strand	-
Start	921	End	1239
Name	OJ990416_06.9819.C6.o1.gs	Method	GENSCAN
Start	921	End	1239
GI	none	Score	.97
Exons	921..1129, 1173..1239		

Seq. No.	18508	Seq. ID	OJ990416_06.9819.C7
Gene No.	38864	Strand	+
Start	891	End	1436
Name	OJ990416_06.9819.C7.o1.np	Method	AAT/NAP
Start	891	End	1436
GI	6522551	Score	54
Exons	891..933, 1030..1171, 1392..1436		
GI Descrip.	(AL132967) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	18508	Seq. ID	OJ990416_06.9819.C7
Gene No.	38864	Strand	+
Start	891	End	1436
Name	OJ990416_06.9819.C7.o1.gs	Method	GENSCAN
Start	918	End	1324
GI	none	Score	1
Exons	918..1324		

Seq. No.	18509	Seq. ID	OJ990416_06.9819.C9
Gene No.	38865	Strand	+
Start	256	End	539
Name	OJ990416_06.9819.C9.o1.gs	Method	GENSCAN
Start	256	End	539
GI	none	Score	.43
Exons	256..382, 446..539		

Seq. No.	18510	Seq. ID	OJ990416_06.9819.C10
Gene No.	38866	Strand	+
Start	1	End	1451
Name	OJ990416_06.9819.C10.o1.np	Method	AAT/NAP
Start	1	End	1451
GI	4929647	Score	106
Exons	1..54, 1152..1286, 1348..1451		
GI Descrip.	(AF151847) CGI-89 protein [Homo sapiens]		

Seq. No.	18510	Seq. ID	OJ990416_06.9819.C10
Gene No.	38866	Strand	+
Start	1	End	1451
Name	OJ990416_06.9819.C10.o1.gs	Method	GENSCAN
Start	302	End	1250
GI	none	Score	.56
Exons	302..401, 747..837, 996..1073, 1152..1250		

Seq. No.	18510	Seq. ID	OJ990416_06.9819.C10
Gene No.	38867	Strand	-
Start	1134	End	1253
Name	OJ990416_06.9819.C10.o1.ts	Method	TBLASTX:Soybean
Start	90	End	1250
GI	none	Score	180
Exons	90..221, 92..232, 283..393, 321..398, 787..837, 995..1072, 1020..1076, 1142..1249, 1149..1250		

Seq. No.	18510	Seq. ID	OJ990416_06.9819.C10
Gene No.	38867	Strand	-
Start	1134	End	1253
Name	OJ990416_06.9819.C10.o1.tc	Method	TBLASTX:Cress
Start	140	End	1253
GI	none	Score	79
Exons	140..217, 147..221, 319..402, 333..404, 337..405, 760..837, 777..839, 993..1070, 995..1096, 1020..1076, 1142..1246, 1149..1250, 1149..1253		

Seq. No.	18510	Seq. ID	OJ990416_06.9819.C10
Gene No.	38867	Strand	-
Start	1134	End	1253
Name	OJ990416_06.9819.C10.o1.tm	Method	TBLASTX:Maize
Start	161	End	1250

GI	none	Score	102
Exons	161..232, 162..233, 164..265, 286..402, 286..402, 754..837, 777..839, 995..1072, 997..1077, 1020..1076, 1140..1250, 1142..1246, 1158..1250		

Seq. No.	18510	Seq. ID	OJ990416_06.9819.C10
Gene No.	38867	Strand	-
Start	1134	End	1253
Name	OJ990416_06.9819.C10.o1.tw	Method	TBLASTX:Wheat
Start	285	End	1251
GI	none	Score	117
Exons	285..401, 292..402, 292..402, 300..404, 754..837, 776..847, 995..1072, 998..1075, 1020..1076, 1140..1250, 1142..1246, 1165..1251		

Seq. No.	18510	Seq. ID	OJ990416_06.9819.C10
Gene No.	38867	Strand	-
Start	1134	End	1253
Name	OJ990416_06.9819.C10.o1.gp	Method	AAT/GAP
Start	1134	End	1253
GI	LIB3432-017-P1-K1-B3	Score	171
Exons	1134..1253		
GI Descrip.	'4589536/dbj|BAA76790.1| 1.0e-11 (AB023163) KIAA0946 protein [Homo sapiens]'		

Seq. No.	18511	Seq. ID	OJ990416_06.9819.C12
Gene No.	38868	Strand	+
Start	180	End	731
Name	OJ990416_06.9819.C12.o1.gs	Method	GENSCAN
Start	180	End	723
GI	none	Score	.74
Exons	180..723		

Seq. No.	18511	Seq. ID	OJ990416_06.9819.C12
Gene No.	38868	Strand	+
Start	180	End	731
Name	OJ990416_06.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	310	End	678
GI	none	Score	601
Exons	310..393, 322..678, 336..677		

Seq. No.	18511	Seq. ID	OJ990416_06.9819.C12
Gene No.	38868	Strand	+
Start	180	End	731
Name	OJ990416_06.9819.C12.o1.np	Method	AAT/NAP
Start	322	End	731
GI	4538961	Score	538
Exons	322..731		
GI Descrip.	(AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	18511	Seq. ID	OJ990416_06.9819.C12
Gene No.	38868	Strand	+
Start	180	End	731
Name	OJ990416_06.9819.C12.o1.ts	Method	TBLASTX:Soybean
Start	322	End	729
GI	none	Score	564

Exons	322..729, 322..390, 333..725, 469..726		
Seq. No.	18512	Seq. ID	OJ990416_06.9819.C16
Gene No.	38869	Strand	-
Start	1	End	747
Name	OJ990416_06.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	747
GI	4160280	Score	173
Exons	1..89, 559..747		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		
Seq. No.	18512	Seq. ID	OJ990416_06.9819.C16
Gene No.	38869	Strand	-
Start	1	End	747
Name	OJ990416_06.9819.C16.o1.tm	Method	TBLASTX:Maize
Start	60	End	742
GI	none	Score	110
Exons	60..95, 559..660, 560..652, 658..741, 665..742		
Seq. No.	18512	Seq. ID	OJ990416_06.9819.C16
Gene No.	38869	Strand	-
Start	1	End	747
Name	OJ990416_06.9819.C16.o1.ts	Method	TBLASTX:Soybean
Start	60	End	747
GI	none	Score	129
Exons	60..95, 554..742, 559..747, 559..741		
Seq. No.	18512	Seq. ID	OJ990416_06.9819.C16
Gene No.	38869	Strand	-
Start	1	End	747
Name	OJ990416_06.9819.C16.o1.gp	Method	AAT/GAP
Start	535	End	747
GI	52534_1.R1084	Score	325
Exons	535..747		
GI Descrip.	'4160280/emb|CAA06921| 7.0e-23 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		
Seq. No.	18512	Seq. ID	OJ990416_06.9819.C16
Gene No.	38869	Strand	-
Start	1	End	747
Name	OJ990416_06.9819.C16.o1.tc	Method	TBLASTX:Cress
Start	554	End	742
GI	none	Score	99
Exons	554..742, 559..741		
Seq. No.	18512	Seq. ID	OJ990416_06.9819.C16
Gene No.	38869	Strand	-
Start	1	End	747
Name	OJ990416_06.9819.C16.o1.gs	Method	GENSCAN
Start	559	End	698
GI	none	Score	.53
Exons	559..698		
Seq. No.	18513	Seq. ID	OJ990416_06.9819.C17
Gene No.	38870	Strand	+
Start	30	End	77
Name	OJ990416_06.9819.C17.o1.gs	Method	GENSCAN

Start	30	End	77
GI	none	Score	.91
Exons	30..77		

Seq. No.	18514	Seq. ID	OJ990416_06.9819.C18
Gene No.	38871	Strand	-
Start	74	End	777
Name	OJ990416_06.9819.C18.o1.gp	Method	AAT/GAP
Start	74	End	777
GI	23683_1.R1084	Score	519
Exons	74..142, 256..361, 549..614, 697..777		
GI Descrip.	'4538961/emb|CAB39785.1| 2.0e-56 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	18514	Seq. ID	OJ990416_06.9819.C18
Gene No.	38871	Strand	-
Start	74	End	777
Name	OJ990416_06.9819.C18.o1.gs	Method	GENSCAN
Start	256	End	569
GI	none	Score	.79
Exons	256..361, 549..569		

Seq. No.	18515	Seq. ID	OJ990416_06.9819.C22
Gene No.	38872	Strand	+
Start	123	End	992
Name	OJ990416_06.9819.C22.o1.gs	Method	GENSCAN
Start	123	End	992
GI	none	Score	.48
Exons	123..992		

Seq. No.	18515	Seq. ID	OJ990416_06.9819.C22
Gene No.	38872	Strand	+
Start	123	End	992
Name	OJ990416_06.9819.C22.o1.gp	Method	AAT/GAP
Start	397	End	775
GI	2311430	Score	714
Exons	397..775		

Seq. No.	18515	Seq. ID	OJ990416_06.9819.C22
Gene No.	38873	Strand	+
Start	5530	End	8826
Name	OJ990416_06.9819.C22.o1.np	Method	AAT/NAP
Start	5152	End	7255
GI	4406801	Score	346
Exons	5152..5226, 5647..5808, 6699..6850, 7069..7255		
GI Descrip.	(AC006304) unknown protein [Arabidopsis thaliana]		

Seq. No.	18515	Seq. ID	OJ990416_06.9819.C22
Gene No.	38873	Strand	+
Start	5530	End	8826
Name	OJ990416_06.9819.C22.o3.gs	Method	GENSCAN
Start	5530	End	8826
GI	none	Score	.79
Exons	5530..5908, 6001..6074, 6699..6839, 7133..7245, 7658..7790, 8512..8650, 8727..8826		

Seq. No.	18515	Seq. ID	OJ990416_06.9819.C22

Gene No.	38873	Strand	+
Start	5530	End	8826
Name	OJ990416_06.9819.C22.o1.tc	Method	TBLASTX:Cress
Start	5638	End	7709
GI	none	Score	239
Exons	5638..5808, 5721..5798, 6696..6839, 6698..6841, 6698..6838, 7626..7709		

Seq. No.	18515	Seq. ID	OJ990416_06.9819.C22
Gene No.	38873	Strand	+
Start	5530	End	8826
Name	OJ990416_06.9819.C22.o1.ts	Method	TBLASTX:Soybean
Start	5638	End	7709
GI	none	Score	256
Exons	5638..5808, 5718..5807, 5722..5808, 6696..6806, 6698..6805, 7626..7709		

Seq. No.	18515	Seq. ID	OJ990416_06.9819.C22
Gene No.	38873	Strand	+
Start	5530	End	8826
Name	OJ990416_06.9819.C22.o1.tm	Method	TBLASTX:Maize
Start	6660	End	8623
GI	none	Score	69
Exons	6660..6806, 6696..6839, 6696..6839, 6697..6840, 6698..6841, 6702..6818, 7130..7246, 7131..7256, 7131..7250, 7401..7481, 7402..7482, 7403..7483, 7404..7484, 7624..7785, 7625..7801, 7626..7709, 7626..7790, 8496..8621, 8512..8622, 8512..8622, 8513..8623		

Seq. No.	18515	Seq. ID	OJ990416_06.9819.C22
Gene No.	38873	Strand	+
Start	5530	End	8826
Name	OJ990416_06.9819.C22.o2.ts	Method	TBLASTX:Soybean
Start	7134	End	8823
GI	none	Score	194
Exons	7134..7250, 7136..7246, 7401..7478, 7403..7480, 7403..7483, 7404..7484, 7710..7790, 7712..7789, 8496..8657, 8515..8646, 8708..8818, 8732..8821, 8746..8823		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38874	Strand	+
Start	371	End	11694
Name	OJ990416_06.9819.C23.o1.gs	Method	GENSCAN
Start	371	End	11694
GI	none	Score	.7
Exons	371..454, 613..658, 1440..1465, 2020..2325, 2971..3008, 3529..3726, 3752..3896, 4274..4301, 4381..4481, 6257..6339, 6426..6498, 7267..7309, 8091..8230, 8369..8581, 8888..8972, 9049..9343, 10346..10601, 10728..10941, 11192..11403, 11545..11694		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38874	Strand	+
Start	371	End	11694
Name	OJ990416_06.9819.C23.o1.gp	Method	AAT/GAP
Start	751	End	2215
GI	LIB3432-017-P1-K1-B3	Score	841

Exons	751..867, 1317..1465, 2020..2215		
GI Descrip.	'4589536/dbj|BAA76790.1| 1.0e-11 (AB023163) KIAA0946 protein [Homo sapiens]'		
Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38874	Strand	+
Start	371	End	11694
Name	OJ990416_06.9819.C23.o1.np	Method	AAT/NAP
Start	769	End	2437
GI	4589536	Score	137
Exons	769..1005, 1361..1472, 2024..2144, 2331..2437		
GI Descrip.	(AB023163) KIAA0946 protein [Homo sapiens]		
Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38874	Strand	+
Start	371	End	11694
Name	OJ990416_06.9819.C23.o2.np	Method	AAT/NAP
Start	3768	End	11691
GI	4325344	Score	2810
Exons	3768..3896, 4274..4305, 4364..4481, 4847..5050, 5151..5394, 5713..5888, 6257..6339, 6426..6498, 7121..7186, 7267..7309, 8091..8272, 8369..8581, 8888..8972, 9049..9343, 10346..10601, 10728..10941, 11192..11403, 11545..11691		
GI Descrip.	(AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]		
Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38874	Strand	+
Start	371	End	11694
Name	OJ990416_06.9819.C23.o3.gp	Method	AAT/GAP
Start	9160	End	10607
GI	LIB3432-029-P1-K1-A9	Score	819
Exons	9160..9343, 10346..10607		
GI Descrip.	'4325344/gb|AAD17343| 2.0e-47 (AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]'		
Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38874	Strand	+
Start	371	End	11694
Name	OJ990416_06.9819.C23.o4.gp	Method	AAT/GAP
Start	10817	End	11682
GI	LIB3434-038-P1-K1-C6	Score	820
Exons	10817..10941, 11192..11403, 11545..11682		
GI Descrip.	'4325344/gb|AAD17343| 2.0e-34 (AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]'		
Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38875	Strand	+
Start	21060	End	21398
Name	OJ990416_06.9819.C23.o5.gs	Method	GENSCAN
Start	21060	End	21398
GI	none	Score	.67
Exons	21060..21398		
Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23

Gene No.	38876	Strand	-
Start	2414	End	2927
Name	OJ990416_06.9819.C23.o2.gp	Method	AAT/GAP
Start	2414	End	2927
GI	none	Score	1024
Exons	2414..2927		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38877	Strand	-
Start	11983	End	12195
Name	OJ990416_06.9819.C23.o5.gp	Method	AAT/GAP
Start	11983	End	12195
GI	none	Score	426
Exons	11983..12195		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38878	Strand	-
Start	12924	End	14384
Name	OJ990416_06.9819.C23.o2.gs	Method	GENSCAN
Start	12924	End	14384
GI	none	Score	.98
Exons	12924..14384		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38878	Strand	-
Start	12924	End	14384
Name	OJ990416_06.9819.C23.o3.np	Method	AAT/NAP
Start	12927	End	14384
GI	6730737	Score	1461
Exons	12927..14384		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38878	Strand	-
Start	12924	End	14384
Name	OJ990416_06.9819.C23.o6.gp	Method	AAT/GAP
Start	13096	End	13474
GI	LIB3433-025-P1-K1-A12	Score	705
Exons	13096..13474		
GI Descrip.	'4586058/gb|AAD25676.1|AC007020_18 2.0e-22 (AC007020) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38879	Strand	-
Start	16425	End	18721
Name	OJ990416_06.9819.C23.o3.gs	Method	GENSCAN
Start	16425	End	18721
GI	none	Score	.94
Exons	16425..16581, 16661..16767, 16847..16913, 17000..17115, 17364..17435, 17546..17619, 18622..18721		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38879	Strand	-
Start	16425	End	18721
Name	OJ990416_06.9819.C23.o4.np	Method	AAT/NAP
Start	16660	End	17728
GI	3047065	Score	316

Exons	16660..16767, 16847..16934, 17364..17435, 17546..17728		
GI Descrip.	(AF058825) contains similarity to human OS-9 precurosor (GB:U41635) [Arabidopsis thaliana]		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o2.tw	Method	TBLASTX:Wheat
Start	371	End	1411
GI	none	Score	92
Exons	371..454, 393..464, 612..689, 615..692, 637..693, 757..867, 759..863, 1145..1231, 1147..1227, 1300..1410, 1300..1410, 1301..1411, 1310..1411		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o6.tm	Method	TBLASTX:Maize
Start	371	End	1240
GI	none	Score	91
Exons	371..454, 394..456, 612..689, 614..694, 615..692, 637..693, 757..867, 759..863, 775..867, 1145..1240, 1147..1233		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o3.tc	Method	TBLASTX:Cress
Start	377	End	2160
GI	none	Score	81
Exons	377..454, 610..687, 612..713, 637..693, 759..863, 766..867, 766..870, 1145..1234, 1147..1227, 1304..1414, 2016..2069, 2017..2067, 2067..2129, 2068..2127, 2122..2160		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o5.ts	Method	TBLASTX:Soybean
Start	612	End	1198
GI	none	Score	93
Exons	612..689, 637..693, 766..867, 1145..1198		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o2.ts	Method	TBLASTX:Soybean
Start	1310	End	2414
GI	none	Score	82
Exons	1310..1414, 2016..2159, 2017..2232, 2017..2226, 2069..2227, 2265..2282, 2352..2414		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o3.tm	Method	TBLASTX:Maize
Start	1367	End	2383
GI	none	Score	433
Exons	1367..1468, 2016..2159, 2017..2295, 2048..2383, 2054..2383		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o4.ts	Method	TBLASTX:Soybean
Start	5711	End	6486
GI	none	Score	264
Exons	5711..5908, 5712..5891, 6254..6340, 6256..6336, 6424..6486, 6437..6484		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o1.tc	Method	TBLASTX:Cress
Start	6423	End	9341
GI	none	Score	108
Exons	6423..6500, 6424..6498, 6426..6500, 7118..7186, 7261..7308, 8083..8229, 8090..8230, 8091..8231, 8106..8234, 8107..8232, 8363..8476, 8366..8584, 8380..8583, 8881..8973, 8882..8974, 9027..9341, 9047..9340		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o8.tm	Method	TBLASTX:Maize
Start	10571	End	10941
GI	none	Score	46
Exons	10571..10603, 10572..10604, 10722..10940, 10726..10941		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o6.ts	Method	TBLASTX:Soybean
Start	11192	End	11684
GI	none	Score	58
Exons	11192..11275, 11194..11322, 11196..11231, 11269..11409, 11270..11401, 11280..11417, 11542..11682, 11542..11682, 11544..11684		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o7.tm	Method	TBLASTX:Maize
Start	11281	End	11690
GI	none	Score	187
Exons	11281..11409, 11286..11402, 11296..11412, 11542..11682, 11542..11682, 11544..11690, 11544..11690		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o1.tm	Method	TBLASTX:Maize
Start	13017	End	13448
GI	none	Score	460
Exons	13017..13448, 13054..13446, 13136..13447		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23

Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o2.tc	Method	TBLASTX:Cress
Start	13054	End	14168
GI	none	Score	83
Exons	13054..13161, 13056..13190, 13230..13487, 13254..13412, 13494..13844, 13494..13658, 13725..13892, 13851..14168, 13852..14148		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o1.ts	Method	TBLASTX:Soybean
Start	13056	End	14159
GI	none	Score	86
Exons	13056..13205, 13167..13487, 13218..13412, 13396..13461, 13500..13835, 13512..13835, 13896..14159, 13962..14147, 14002..14148		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o5.tm	Method	TBLASTX:Maize
Start	13848	End	14171
GI	none	Score	205
Exons	13848..14171, 13849..14148, 13860..14150		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o1.tw	Method	TBLASTX:Wheat
Start	16356	End	16904
GI	none	Score	36
Exons	16356..16385, 16422..16508, 16423..16476, 16470..16526, 16470..16529, 16500..16580, 16518..16577, 16540..16581, 16653..16769, 16659..16772, 16660..16776, 16661..16804, 16844..16903, 16845..16904		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o2.tm	Method	TBLASTX:Maize
Start	16402	End	17131
GI	none	Score	63
Exons	16402..16497, 16424..16513, 16424..16513, 16470..16577, 16470..16580, 16471..16581, 16658..16768, 16659..16772, 16660..16770, 16661..16804, 16844..16915, 16845..16916, 16984..17115, 17096..17131		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o3.ts	Method	TBLASTX:Soybean
Start	16650	End	17659
GI	none	Score	58
Exons	16650..16769, 16658..16768, 16660..16770, 16661..16804, 16844..16915, 16845..16916, 16999..17118, 17361..17474,		

17362..17445, 17546..17659

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o4.tm	Method	TBLASTX:Maize
Start	17388	End	18238
GI	none	Score	70
Exons	17388..17435, 17388..17438, 17546..17746, 17546..17746, 18141..18227, 18142..18222, 18143..18238		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o6.np	Method	AAT/NAP
Start	22368	End	23958
GI	6522551	Score	62
Exons	22368..22410, 23672..23819, 23916..23958		
GI Descrip.	(AL132967) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	18516	Seq. ID	OJ990416_06.9819.C23
Gene No.	38880	Strand	-
Start	22368	End	23958
Name	OJ990416_06.9819.C23.o6.gs	Method	GENSCAN
Start	22667	End	23931
GI	none	Score	.99
Exons	22667..23287, 23371..23931		

Seq. No.	18517	Seq. ID	OJ990416_06.9819.C24
Gene No.	38881	Strand	+
Start	72	End	1975
Name	OJ990416_06.9819.C24.o1.gs	Method	GENSCAN
Start	72	End	1975
GI	none	Score	.42
Exons	72..150, 947..1022, 1948..1975		

Seq. No.	18518	Seq. ID	OJ990416_06.9819.C26
Gene No.	38882	Strand	-
Start	1	End	787
Name	OJ990416_06.9819.C26.o1.np	Method	AAT/NAP
Start	1	End	787
GI	4325344	Score	339
Exons	1..92, 348..591, 690..787		
GI Descrip.	(AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]		

Seq. No.	18519	Seq. ID	OJ990416_06.9819.C27
Gene No.	38883	Strand	-
Start	1	End	4029
Name	OJ990416_06.9819.C27.o1.np	Method	AAT/NAP
Start	1	End	3261
GI	4160280	Score	1038
Exons	1..395, 950..1088, 1703..1926, 2242..2353, 2823..3023, 3098..3261		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	18519	Seq. ID	OJ990416_06.9819.C27

Gene No.	38883	Strand	-
Start	1	End	4029
Name	OJ990416_06.9819.C27.o1.gp	Method	AAT/GAP
Start	159	End	1921
GI	20922_1.R1084	Score	1101
Exons	159..395, 950..1088, 1703..1921		
GI Descrip.	'2344871/emb|CAA04644| 1.0e-83 (AJ001270) purple acid phosphatase precursor [Phaseolus vulgaris]'		

Seq. No.	18519	Seq. ID	OJ990416_06.9819.C27
Gene No.	38883	Strand	-
Start	1	End	4029
Name	OJ990416_06.9819.C27.o1.tm	Method	TBLASTX:Maize
Start	165	End	3277
GI	none	Score	331
Exons	165..212, 166..396, 176..397, 176..409, 270..413, 945..1088, 951..1088, 952..1089, 1699..1929, 1702..1929, 1703..1933, 1704..1955, 2241..2360, 2248..2355, 2255..2359, 2823..2924, 2824..2916, 2883..3026, 2922..3026, 3095..3271, 3096..3275, 3098..3277		

Seq. No.	18519	Seq. ID	OJ990416_06.9819.C27
Gene No.	38883	Strand	-
Start	1	End	4029
Name	OJ990416_06.9819.C27.o1.tc	Method	TBLASTX:Cress
Start	166	End	3200
GI	none	Score	246
Exons	166..396, 176..397, 945..1103, 955..1047, 1702..1797, 1709..1807, 1715..1807, 1743..1808, 1808..1933, 1809..1928, 1810..1941, 2241..2348, 2258..2359, 2818..3024, 2823..3026, 3095..3199, 3096..3200		

Seq. No.	18519	Seq. ID	OJ990416_06.9819.C27
Gene No.	38883	Strand	-
Start	1	End	4029
Name	OJ990416_06.9819.C27.o1.ts	Method	TBLASTX:Soybean
Start	175	End	3233
GI	none	Score	193
Exons	175..396, 176..397, 945..1103, 951..1088, 952..1089, 1703..1807, 1707..1811, 1783..1926, 1797..1928, 1808..1933, 2241..2360, 2241..2342, 2258..2359, 2818..3024, 2823..3026, 2823..3026, 3095..3205, 3096..3233		

Seq. No.	18519	Seq. ID	OJ990416_06.9819.C27
Gene No.	38883	Strand	-
Start	1	End	4029
Name	OJ990416_06.9819.C27.o1.gs	Method	GENSCAN
Start	267	End	3265
GI	none	Score	.9
Exons	267..395, 950..1088, 1703..1926, 2242..2353, 2823..3023, 3098..3265		

Seq. No.	18519	Seq. ID	OJ990416_06.9819.C27
Gene No.	38883	Strand	-
Start	1	End	4029
Name	OJ990416_06.9819.C27.o2.gp	Method	AAT/GAP
Start	2799	End	4029

GI	52534_1.R1084	Score	820
Exons	2799..3023, 3098..3301, 3967..4029		
GI Descrip.	'4160280/emb|CAA06921| 7.0e-23 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38884	Strand	+
Start	2172	End	5753
Name	OJ990416_06.9819.C28.o1.gp	Method	AAT/GAP
Start	2172	End	5753
GI	19237_1.R1084	Score	1828
Exons	2172..2327, 2432..2475, 3583..3697, 4033..4096, 4180..4296, 4391..4499, 5365..5753		
GI Descrip.	'4567246/gb|AAD23660.1|AC007070_9 2.0e-55 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38884	Strand	+
Start	2172	End	5753
Name	OJ990416_06.9819.C28.o1.np	Method	AAT/NAP
Start	2215	End	5456
GI	4567246	Score	383
Exons	2215..2314, 2431..2475, 3595..3697, 4033..4096, 4180..4262, 4393..4499, 5365..5456		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38885	Strand	+
Start	11994	End	17443
Name	OJ990416_06.9819.C28.o2.gp	Method	AAT/GAP
Start	11930	End	17443
GI	150_1.R1084	Score	5722
Exons	11930..12258, 14125..14699, 14862..15241, 15328..15414, 15512..15842, 16013..16423, 16506..16565, 16674..17443		
GI Descrip.	'1747294/dbj|BAA08232| 0.0e+00 (D45383) vacuolar H+-pyrophosphatase [Oryza sativa]'		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38885	Strand	+
Start	11994	End	17443
Name	OJ990416_06.9819.C28.o2.gs	Method	GENSCAN
Start	11994	End	16880
GI	none	Score	.94
Exons	11994..12258, 14125..14699, 14862..15241, 15328..15414, 15512..15842, 16013..16423, 16506..16565, 16674..16880		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38885	Strand	+
Start	11994	End	17443
Name	OJ990416_06.9819.C28.o2.np	Method	AAT/NAP
Start	11994	End	16877
GI	1747294	Score	3665
Exons	11994..12258, 14125..14699, 14862..15241, 15328..15414, 15512..15842, 16013..16423, 16506..16565, 16674..16877		
GI Descrip.	(D45383) vacuolar H+-pyrophosphatase [Oryza sativa]		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28

Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o3.tm	Method	TBLASTX:Maize
Start	2427	End	5406
GI	none	Score	65
Exons	2427..2474, 2433..2477, 3593..3700, 3599..3697, 3600..3701, 3600..3701, 3601..3714, 3622..3759, 4033..4104, 4034..4084, 4178..4297, 4179..4301, 4180..4299, 4180..4305, 4388..4429, 4393..4512, 4394..4498, 4396..4500, 5363..5404, 5364..5405, 5365..5406		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o2.ts	Method	TBLASTX:Soybean
Start	3600	End	5444
GI	none	Score	130
Exons	3600..3701, 3611..3700, 4033..4104, 4034..4084, 4179..4301, 4180..4299, 4393..4512, 4394..4498, 5364..5444		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o2.tc	Method	TBLASTX:Cress
Start	3608	End	4512
GI	none	Score	67
Exons	3608..3691, 3617..3691, 3618..3701, 4034..4084, 4039..4104, 4041..4091, 4178..4297, 4179..4295, 4180..4299, 4186..4305, 4394..4498, 4396..4512, 4399..4500		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o2.tm	Method	TBLASTX:Maize
Start	11988	End	14441
GI	none	Score	116
Exons	11988..12119, 11990..12118, 12179..12262, 12225..12260, 14122..14274, 14123..14440, 14124..14441		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o1.ts	Method	TBLASTX:Soybean
Start	11996	End	16871
GI	none	Score	85
Exons	11996..12115, 11997..12122, 12179..12262, 12225..12260, 14117..14245, 14123..14704, 14124..14702, 14288..14338, 14447..14485, 14861..15241, 14862..15266, 14907..15293, 15323..15406, 15329..15412, 15340..15408, 15509..15841, 15510..15842, 15520..15846, 15647..15844, 15924..15962, 16008..16343, 16009..16419, 16013..16381, 16491..16565, 16502..16567, 16505..16564, 16672..16764, 16673..16870, 16674..16871		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640

Name	OJ990416_06.9819.C28.o1.tc	Method	TBLASTX:Cress
Start	12000	End	16882
GI	none	Score	64
Exons	12000..12113, 12225..12260, 14122..14274, 14123..14704, 14124..14702, 14288..14347, 14447..14485, 14861..15241, 14862..15242, 14988..15305, 15323..15412, 15329..15412, 15343..15414, 15506..15604, 15509..15841, 15510..15842, 15638..15844, 16009..16422, 16013..16381, 16490..16564, 16491..16565, 16495..16566, 16669..16878, 16671..16880, 16673..16882, 16674..16880		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o1.tm	Method	TBLASTX:Maize
Start	14441	End	16880
GI	none	Score	203
Exons	14441..14620, 14441..14704, 14442..14702, 14861..15241, 14862..15266, 14907..15290, 15327..15455, 15329..15412, 15509..15841, 15510..15842, 15511..15843, 15511..15843, 16009..16422, 16010..16426, 16013..16381, 16377..16424, 16429..16575, 16487..16582, 16673..16879, 16673..16879, 16674..16880		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o2.tw	Method	TBLASTX:Wheat
Start	15321	End	15811
GI	none	Score	74
Exons	15321..15413, 15329..15415, 15340..15408, 15506..15811, 15510..15779, 15514..15810		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o1.tw	Method	TBLASTX:Wheat
Start	16121	End	16702
GI	none	Score	414
Exons	16121..16381, 16129..16431, 16129..16422, 16490..16564, 16491..16565, 16491..16565, 16492..16566, 16502..16576, 16673..16702, 16674..16700		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o3.tw	Method	TBLASTX:Wheat
Start	16703	End	16871
GI	none	Score	270
Exons	16703..16870, 16704..16871		

Seq. No.	18520	Seq. ID	OJ990416_06.9819.C28
Gene No.	38886	Strand	-
Start	17897	End	18640
Name	OJ990416_06.9819.C28.o3.gs	Method	GENSCAN
Start	17897	End	18640
GI	none	Score	.6

Exons	17897..18021, 18241..18348, 18428..18640		
Seq. No.	18521	Seq. ID	OJ990416_06.9819.C29
Gene No.	38887	Strand	+
Start	457	End	12672
Name	OJ990416_06.9819.C29.o1.gs	Method	GENSCAN
Start	457	End	12667
GI	none	Score	.65
Exons	457..756, 833..1963, 3236..3322, 3459..6035, 7238..7449, 8783..9953, 11361..12399, 12525..12667		
Seq. No.	18521	Seq. ID	OJ990416_06.9819.C29
Gene No.	38887	Strand	+
Start	457	End	12672
Name	OJ990416_06.9819.C29.o1.np	Method	AAT/NAP
Start	612	End	4631
GI	2792220	Score	462
Exons	612..685, 1009..1963, 3275..3729, 4444..4631		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		
Seq. No.	18521	Seq. ID	OJ990416_06.9819.C29
Gene No.	38887	Strand	+
Start	457	End	12672
Name	OJ990416_06.9819.C29.o1.ts	Method	TBLASTX:Soybean
Start	1313	End	1879
GI	none	Score	51
Exons	1313..1357, 1376..1708, 1721..1879		
Seq. No.	18521	Seq. ID	OJ990416_06.9819.C29
Gene No.	38887	Strand	+
Start	457	End	12672
Name	OJ990416_06.9819.C29.o1.gp	Method	AAT/GAP
Start	12403	End	12672
GI	2311430	Score	519
Exons	12403..12672		
Seq. No.	18522	Seq. ID	OJ990416_06.9819.C31
Gene No.	38888	Strand	-
Start	692	End	3672
Name	OJ990416_06.9819.C31.o1.gs	Method	GENSCAN
Start	692	End	3672
GI	none	Score	.52
Exons	692..757, 1049..1055, 1521..1640, 1791..1943, 2754..2919, 3475..3672		
Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38889	Strand	+
Start	809	End	14033
Name	OJ990416_06.9819.C32.o1.gs	Method	GENSCAN
Start	809	End	13671
GI	none	Score	.69
Exons	809..1091, 1103..1461, 1509..1726, 1765..1955, 2130..2623, 3215..3358, 4105..4301, 4970..5132, 5449..5562, 5943..6090, 6640..6731, 7045..7203, 7379..7468, 8479..8612, 9202..9361, 9515..9598, 10010..10135, 11000..11103, 11521..11584, 11918..12006, 12082..12223, 12626..12689, 12774..12841, 13088..13210, 13257..13358, 13546..13671		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38889	Strand	+
Start	809	End	14033
Name	OJ990416_06.9819.C32.o1.np	Method	AAT/NAP
Start	2141	End	14033
GI	4538961	Score	3434
Exons	2141..2675, 3069..3134, 3215..3358, 4105..4301, 4970..5140, 5454..5562, 5993..6090, 6653..6731, 7045..7203, 7379..7468, 8479..8612, 9202..9361, 9515..9598, 9689..9901, 10010..10135, 10777..10914, 11000..11103, 11521..11584, 11918..12006, 12082..12250, 12611..12689, 12774..12841, 13088..13210, 13293..13358, 13546..14033		
GI Descrip.	(AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38889	Strand	+
Start	809	End	14033
Name	OJ990416_06.9819.C32.o1.gp	Method	AAT/GAP
Start	5078	End	7114
GI	uC-osroM202014h10b1	Score	720
Exons	5078..5132, 5449..5562, 5993..6090, 6653..6731, 7045..7114		
GI Descrip.	'4538961/emb|CAB39785.1| 3.0e-52 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38889	Strand	+
Start	809	End	14033
Name	OJ990416_06.9819.C32.o2.gp	Method	AAT/GAP
Start	11018	End	13856
GI	23683_1.R1084	Score	1509
Exons	11018..11103, 11521..11584, 11918..12006, 12082..12223, 12626..12689, 12774..12841, 13088..13210, 13293..13358, 13546..13651, 13765..13856		
GI Descrip.	'4538961/emb|CAB39785.1| 2.0e-56 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38890	Strand	+
Start	21622	End	25426
Name	OJ990416_06.9819.C32.o3.np	Method	AAT/NAP
Start	21622	End	25426
GI	6721547	Score	87
Exons	21622..21706, 25377..25426		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38891	Strand	-
Start	14392	End	14710
Name	OJ990416_06.9819.C32.o2.gs	Method	GENSCAN
Start	14392	End	14710
GI	none	Score	.97
Exons	14392..14600, 14644..14710		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38892	Strand	-

Start	15345	End	16115
Name	OJ990416_06.9819.C32.o3.gs	Method	GENSCAN
Start	15345	End	16061
GI	none	Score	.99
Exons	15345..16061		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38892	Strand	-
Start	15345	End	16115
Name	OJ990416_06.9819.C32.o2.np	Method	AAT/NAP
Start	15348	End	16061
GI	6730731	Score	237
Exons	15348..15478, 15621..16061		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38892	Strand	-
Start	15345	End	16115
Name	OJ990416_06.9819.C32.o3.gp	Method	AAT/GAP
Start	15744	End	16115
GI	none	Score	732
Exons	15744..16115		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38893	Strand	-
Start	16729	End	19371
Name	OJ990416_06.9819.C32.o4.gs	Method	GENSCAN
Start	16729	End	19371
GI	none	Score	.5
Exons	16729..16890, 18056..18074, 19118..19371		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38894	Strand	-
Start	23961	End	27986
Name	OJ990416_06.9819.C32.o5.gs	Method	GENSCAN
Start	23961	End	27986
GI	none	Score	.79
Exons	23961..24238, 24720..25530, 26239..26321, 26542..26600, 26701..26985, 27343..27644, 27676..27806, 27899..27986		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38894	Strand	-
Start	23961	End	27986
Name	OJ990416_06.9819.C32.o4.np	Method	AAT/NAP
Start	24813	End	26641
GI	4734014	Score	623
Exons	24813..25530, 26239..26310, 26401..26437, 26542..26641		
GI Descrip.	(AC007112) unknown protein [Arabidopsis thaliana]		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o3.tm	Method	TBLASTX:Maize
Start	2129	End	2498
GI	none	Score	257
Exons	2129..2209, 2141..2305, 2155..2304, 2271..2498, 2283..2477, 2309..2497		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o1.ts	Method	TBLASTX:Soybean
Start	2141	End	3134
GI	none	Score	213
Exons	2141..2305, 2152..2304, 2271..2678, 2309..2680, 3066..3134		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o1.tw	Method	TBLASTX:Wheat
Start	3217	End	4206
GI	none	Score	225
Exons	3217..3360, 3218..3361, 3219..3365, 4036..4155, 4102..4206		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o1.tm	Method	TBLASTX:Maize
Start	5458	End	10877
GI	none	Score	130
Exons	5458..5607, 5470..5562, 5990..6091, 5990..6091, 5992..6093, 6653..6733, 6654..6731, 7039..7206, 7044..7205, 7376..7483, 7376..7480, 7378..7488, 8476..8616, 8479..8649, 9197..9361, 9202..9363, 9203..9361, 9514..9573, 9515..9601, 9515..9601, 9688..9906, 9689..9904, 9992..10156, 10002..10136, 10009..10137, 10010..10156, 10780..10875, 10782..10877		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o6.ts	Method	TBLASTX:Soybean
Start	6653	End	7176
GI	none	Score	102
Exons	6653..6733, 6654..6731, 7039..7176, 7044..7169		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o1.tc	Method	TBLASTX:Cress
Start	9226	End	10054
GI	none	Score	92
Exons	9226..9354, 9229..9375, 9230..9361, 9506..9601, 9506..9598, 9688..9789, 9689..9802, 9803..9904, 9808..9906, 9992..10054		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o2.ts	Method	TBLASTX:Soybean
Start	9586	End	10839
GI	none	Score	38
Exons	9586..9600, 9688..9906, 9689..9904, 10009..10137, 10010..10138, 10045..10149, 10780..10839		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32

Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o5.tm	Method	TBLASTX:Maize
Start	10879	End	12226
GI	none	Score	65
Exons	10879..10914, 10880..10918, 10973..11104, 10997..11110, 11503..11583, 11517..11582, 11518..11583, 11519..11584, 11913..12005, 11915..12007, 11917..12006, 12051..12224, 12076..12225, 12083..12226		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o5.ts	Method	TBLASTX:Soybean
Start	11006	End	13183
GI	none	Score	81
Exons	11006..11062, 11063..11104, 11518..11583, 11519..11593, 11915..12004, 11917..12006, 12079..12225, 12080..12226, 12599..12691, 12605..12691, 12773..12850, 12773..12850, 13085..13183		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o7.tm	Method	TBLASTX:Maize
Start	12624	End	14147
GI	none	Score	96
Exons	12624..12692, 12626..12691, 12773..12850, 12773..12850, 13076..13210, 13086..13211, 13087..13218, 13087..13212, 13290..13367, 13290..13355, 13291..13356, 13545..13661, 13546..13662, 13546..13668, 13753..13854, 13761..13859, 13763..13852, 13931..14068, 13932..14027, 13932..14093, 13933..14055, 14094..14147		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o6.tm	Method	TBLASTX:Maize
Start	15540	End	16056
GI	none	Score	91
Exons	15540..15635, 15600..15704, 15618..15731, 15682..15771, 15739..15777, 15763..15807, 15876..16055, 15877..16056, 15877..16056		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o4.ts	Method	TBLASTX:Soybean
Start	15876	End	16062
GI	none	Score	157
Exons	15876..16061, 15877..16062		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o2.tm	Method	TBLASTX:Maize
Start	24951	End	26344

GI	none	Score	111
Exons	24951..25304, 24952..25182, 25249..25299, 25380..25532, 25396..25548, 26196..26309, 26233..26316, 26240..26344		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o3.ts	Method	TBLASTX:Soybean
Start	24951	End	25533
GI	none	Score	98
Exons	24951..25145, 24979..25170, 25167..25304, 25380..25532, 25390..25533		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o4.tm	Method	TBLASTX:Maize
Start	29261	End	30301
GI	none	Score	46
Exons	29261..29299, 29264..29305, 29319..29684, 29325..29672, 30146..30301, 30147..30236, 30161..30301		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o5.np	Method	AAT/NAP
Start	29316	End	30767
GI	6714281	Score	450
Exons	29316..29669, 30161..30423, 30529..30767		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o6.gs	Method	GENSCAN
Start	29319	End	30448
GI	none	Score	.82
Exons	29319..29669, 30107..30448		

Seq. No.	18523	Seq. ID	OJ990416_06.9819.C32
Gene No.	38895	Strand	-
Start	29319	End	30767
Name	OJ990416_06.9819.C32.o4.gp	Method	AAT/GAP
Start	29598	End	30556
GI	none	Score	882
Exons	29598..29669, 30161..30556		

Seq. No.	18524	Seq. ID	OJ990416_06.9819.C33
Gene No.	38896	Strand	+
Start	1	End	197
Name	OJ990416_06.9819.C33.o1.np	Method	AAT/NAP
Start	1	End	197
GI	4263522	Score	127
Exons	1..197		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18524	Seq. ID	OJ990416_06.9819.C33

Gene No.	38897	Strand	+
Start	580	End	588
Name	OJ990416_06.9819.C33.o1.gs	Method	GENSCAN
Start	580	End	588
GI	none	Score	.62
Exons	580..588		

Seq. No.	18525	Seq. ID	OJ990416_06.9819.C38
Gene No.	38898	Strand	+
Start	530	End	640
Name	OJ990416_06.9819.C38.o1.gs	Method	GENSCAN
Start	530	End	640
GI	none	Score	.65
Exons	530..640		

Seq. No.	18526	Seq. ID	OJ990416_06.9819.C39
Gene No.	38899	Strand	+
Start	494	End	754
Name	OJ990416_06.9819.C39.o1.tm	Method	TBLASTX:Maize
Start	463	End	754
GI	none	Score	297
Exons	463..753, 493..636, 494..754,	494..751,	531..752

Seq. No.	18526	Seq. ID	OJ990416_06.9819.C39
Gene No.	38899	Strand	+
Start	494	End	754
Name	OJ990416_06.9819.C39.o1.gp	Method	AAT/GAP
Start	494	End	692
GI	LIB3432-017-P1-K1-B3	Score	378
Exons	494..692		
GI Descrip.	'4589536/dbj|BAA76790.1| 1.0e-11 (AB023163) KIAA0946 protein [Homo sapiens]'		

Seq. No.	18526	Seq. ID	OJ990416_06.9819.C39
Gene No.	38899	Strand	+
Start	494	End	754
Name	OJ990416_06.9819.C39.o1.ts	Method	TBLASTX:Soybean
Start	494	End	709
GI	none	Score	280
Exons	494..709, 494..703, 546..704		

Seq. No.	18526	Seq. ID	OJ990416_06.9819.C39
Gene No.	38899	Strand	+
Start	494	End	754
Name	OJ990416_06.9819.C39.o1.gs	Method	GENSCAN
Start	497	End	743
GI	none	Score	.68
Exons	497..743		

Seq. No.	18526	Seq. ID	OJ990416_06.9819.C39
Gene No.	38899	Strand	+
Start	494	End	754
Name	OJ990416_06.9819.C39.o1.tc	Method	TBLASTX:Cress
Start	512	End	649
GI	none	Score	183
Exons	512..649, 530..610, 541..630,	541..609	

Seq. No.	18527	Seq. ID	OJ990406_03.9819.C4
Gene No.	38900	Strand	+
Start	1	End	740
Name	OJ990406_03.9819.C4.o1.np	Method	AAT/NAP
Start	1	End	740
GI	1575595	Score	648
Exons	1..141, 215..414, 505..740		
GI Descrip.	(U67717) fimbrin/plastin-like [Triticum aestivum]		

Seq. No.	18527	Seq. ID	OJ990406_03.9819.C4
Gene No.	38900	Strand	+
Start	1	End	740
Name	OJ990406_03.9819.C4.o1.tm	Method	TBLASTX:Maize
Start	37	End	671
GI	none	Score	112
Exons	37..135, 38..160, 53..160, 213..413, 214..414, 216..413, 251..418, 504..671, 504..671		

Seq. No.	18527	Seq. ID	OJ990406_03.9819.C4
Gene No.	38900	Strand	+
Start	1	End	740
Name	OJ990406_03.9819.C4.o1.tc	Method	TBLASTX:Cress
Start	55	End	671
GI	none	Score	138
Exons	55..144, 56..160, 216..416, 245..415, 507..671, 516..560, 581..631		

Seq. No.	18527	Seq. ID	OJ990406_03.9819.C4
Gene No.	38900	Strand	+
Start	1	End	740
Name	OJ990406_03.9819.C4.o1.ts	Method	TBLASTX:Soybean
Start	98	End	671
GI	none	Score	67
Exons	98..160, 106..147, 202..405, 214..393, 216..413, 245..406, 504..581, 504..584, 507..671, 537..671		

Seq. No.	18527	Seq. ID	OJ990406_03.9819.C4
Gene No.	38900	Strand	+
Start	1	End	740
Name	OJ990406_03.9819.C4.o1.gs	Method	GENSCAN
Start	215	End	414
GI	none	Score	.7
Exons	215..414		

Seq. No.	18528	Seq. ID	OJ990406_03.9819.C7
Gene No.	38901	Strand	+
Start	1	End	792
Name	OJ990406_03.9819.C7.o1.np	Method	AAT/NAP
Start	1	End	792
GI	4512666	Score	427
Exons	1..235, 318..434, 566..717, 776..792		
GI Descrip.	(AC006931) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	18528	Seq. ID	OJ990406_03.9819.C7
Gene No.	38901	Strand	+
Start	1	End	792
Name	OJ990406_03.9819.C7.o1.tc	Method	TBLASTX:Cress

Start	65	End	712
GI	none	Score	178
Exons	65..235, 71..241, 74..235, 308..433, 318..440, 563..712, 601..708		

Seq. No.	18528	Seq. ID	OJ990406_03.9819.C7
Gene No.	38901	Strand	+
Start	1	End	792
Name	OJ990406_03.9819.C7.o1.tm	Method	TBLASTX:Maize
Start	68	End	413
GI	none	Score	268
Exons	68..235, 70..237, 75..242, 76..237, 78..248, 314..412, 317..412, 318..413		

Seq. No.	18528	Seq. ID	OJ990406_03.9819.C7
Gene No.	38901	Strand	+
Start	1	End	792
Name	OJ990406_03.9819.C7.o1.ts	Method	TBLASTX:Soybean
Start	68	End	724
GI	none	Score	230
Exons	68..235, 68..175, 71..220, 76..234, 308..433, 321..437, 563..646, 571..642, 602..724		

Seq. No.	18528	Seq. ID	OJ990406_03.9819.C7
Gene No.	38901	Strand	+
Start	1	End	792
Name	OJ990406_03.9819.C7.o1.gs	Method	GENSCAN
Start	77	End	681
GI	none	Score	.71
Exons	77..235, 318..434, 566..681		

Seq. No.	18528	Seq. ID	OJ990406_03.9819.C7
Gene No.	38901	Strand	+
Start	1	End	792
Name	OJ990406_03.9819.C7.o2.tm	Method	TBLASTX:Maize
Start	414	End	720
GI	none	Score	40
Exons	414..434, 417..440, 563..715, 565..720, 565..717		

Seq. No.	18529	Seq. ID	OJ990406_03.9819.C8
Gene No.	38902	Strand	+
Start	1	End	174
Name	OJ990406_03.9819.C8.o1.gp	Method	AAT/GAP
Start	1	End	174
GI	2311461	Score	257
Exons	1..174		

Seq. No.	18529	Seq. ID	OJ990406_03.9819.C8
Gene No.	38903	Strand	-
Start	47	End	166
Name	OJ990406_03.9819.C8.o1.gs	Method	GENSCAN
Start	47	End	166
GI	none	Score	.4
Exons	47..166		

Seq. No.	18530	Seq. ID	OJ990406_03.9819.C12
Gene No.	38904	Strand	-

Start	328	End	1958
Name	OJ990406_03.9819.C12.o1.gs	Method	GENSCAN
Start	328	End	1958
GI	none	Score	.59
Exons	328..439, 1491..1569, 1812..1958		

Seq. No.	18530	Seq. ID	OJ990406_03.9819.C12
Gene No.	38904	Strand	-
Start	328	End	1958
Name	OJ990406_03.9819.C12.o1.tm	Method	TBLASTX:Maize
Start	1185	End	1437
GI	none	Score	247
Exons	1185..1289, 1186..1437		

Seq. No.	18531	Seq. ID	OJ990406_03.9819.C13
Gene No.	38905	Strand	+
Start	1248	End	2585
Name	OJ990406_03.9819.C13.o1.gs	Method	GENSCAN
Start	1248	End	2585
GI	none	Score	.79
Exons	1248..1445, 1996..2162, 2206..2260, 2487..2585		

Seq. No.	18531	Seq. ID	OJ990406_03.9819.C13
Gene No.	38906	Strand	+
Start	4810	End	5014
Name	OJ990406_03.9819.C13.o1.gp	Method	AAT/GAP
Start	4810	End	5014
GI	uC-osrocyp014c04a1	Score	376
Exons	4810..5014		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	18531	Seq. ID	OJ990406_03.9819.C13
Gene No.	38907	Strand	-
Start	3706	End	4568
Name	OJ990406_03.9819.C13.o2.gs	Method	GENSCAN
Start	3706	End	4568
GI	none	Score	.9
Exons	3706..3795, 3842..3945, 4520..4568		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38908	Strand	+
Start	12174	End	15483
Name	OJ990406_03.9819.C14.o3.gp	Method	AAT/GAP
Start	12174	End	14213
GI	2311461	Score	530
Exons	12174..12259, 13263..13414, 13965..14043, 14131..14213		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38908	Strand	+
Start	12174	End	15483
Name	OJ990406_03.9819.C14.o4.gs	Method	GENSCAN
Start	13269	End	15483
GI	none	Score	.63
Exons	13269..13414, 13947..14042, 14606..14770, 14874..15008, 15090..15215, 15294..15483		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38908	Strand	+
Start	12174	End	15483
Name	OJ990406_03.9819.C14.o4.gp	Method	AAT/GAP
Start	14209	End	14610
GI	none	Score	747
Exons	14209..14610		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38908	Strand	+
Start	12174	End	15483
Name	OJ990406_03.9819.C14.o5.gp	Method	AAT/GAP
Start	14731	End	15332
GI	4879390	Score	716
Exons	14731..14770, 14874..15008, 15090..15332		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38909	Strand	+
Start	22332	End	27902
Name	OJ990406_03.9819.C14.o6.gs	Method	GENSCAN
Start	22332	End	27893
GI	none	Score	.6
Exons	22332..22367, 22944..23105, 25084..25233, 25413..25970, 26085..26150, 26250..26338, 26431..26521, 26620..26766, 26866..26958, 27084..27185, 27330..27893		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38909	Strand	+
Start	22332	End	27902
Name	OJ990406_03.9819.C14.o2.np	Method	AAT/NAP
Start	24331	End	27902
GI	6735365	Score	1072
Exons	24331..24366, 25767..25970, 26085..26150, 26250..26338, 26431..26521, 26620..26766, 26866..26958, 27084..27251, 27343..27902		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38910	Strand	+
Start	31537	End	36606
Name	OJ990406_03.9819.C14.o3.np	Method	AAT/NAP
Start	31537	End	36606
GI	2961349	Score	1863
Exons	31537..31562, 32341..32740, 33302..34539, 34993..36606		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38911	Strand	-
Start	270	End	4715
Name	OJ990406_03.9819.C14.o1.gs	Method	GENSCAN
Start	270	End	4715
GI	none	Score	.85
Exons	270..277, 404..1366, 3199..3328, 4665..4715		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38911	Strand	-

Start	270	End	4715
Name	OJ990406_03.9819.C14.o1.np	Method	AAT/NAP
Start	348	End	4253
GI	3157949	Score	225
Exons	348..708, 4222..4253		
GI Descrip.	(AC002131) Similar to glucan endo-1,3-beta-D-glucosidase precursor gb|Z28697 from Nicotiana tabacum. ESTs gb|Z18185 and gb|AA605362 come from this gene. [Arabidopsis thaliana]		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38911	Strand	-
Start	270	End	4715
Name	OJ990406_03.9819.C14.o1.gp	Method	AAT/GAP
Start	1030	End	1388
GI	uC-osrocyp014f09b1	Score	670
Exons	1030..1388		
GI Descrip.	'3157949 6.0e-12 (AC002131) Similar to glucan endo-1,3-beta-D-glucosidase precursor gb_Z28697 from Nicotiana tabacum. ESTs gb_Z18185 and gb_AA605362 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38912	Strand	-
Start	15765	End	16663
Name	OJ990406_03.9819.C14.o5.gs	Method	GENSCAN
Start	15765	End	16663
GI	none	Score	.61
Exons	15765..15956, 16168..16379, 16609..16663		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o7.tm	Method	TBLASTX:Maize
Start	402	End	594
GI	none	Score	217
Exons	402..593, 403..594		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o7.ts	Method	TBLASTX:Soybean
Start	402	End	1361
GI	none	Score	81
Exons	402..653, 960..1361, 961..1116, 1195..1254		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o12.tm	Method	TBLASTX:Maize
Start	960	End	1412
GI	none	Score	226
Exons	960..1412		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o5.tw	Method	TBLASTX:Wheat

Start	1014	End	1187
GI	none	Score	105
Exons	1014..1187, 1021..1122, 1074..1184		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o1.tm	Method	TBLASTX:Maize
Start	14263	End	14896
GI	none	Score	809
Exons	14263..14769, 14265..14771, 14873..14896		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o6.ts	Method	TBLASTX:Soybean
Start	14587	End	14777
GI	none	Score	63
Exons	14587..14676, 14597..14761, 14603..14752, 14604..14762, 14604..14777		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o4.tc	Method	TBLASTX:Cress
Start	14603	End	14771
GI	none	Score	246
Exons	14603..14770, 14604..14771		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o6.tw	Method	TBLASTX:Wheat
Start	14612	End	14765
GI	none	Score	206
Exons	14612..14764, 14613..14762, 14616..14765, 14633..14764		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o1.ts	Method	TBLASTX:Soybean
Start	25779	End	27794
GI	none	Score	285
Exons	25779..25973, 25787..25972, 26082..26153, 26084..26149, 26251..26340, 26253..26339, 26432..26467, 26471..26521, 26608..26697, 26709..26759, 26716..26766, 26721..26762, 26850..26939, 26863..26976, 26871..26948, 27074..27184, 27081..27185, 27690..27794		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o1.tc	Method	TBLASTX:Cress
Start	25781	End	26467
GI	none	Score	233
Exons	25781..25972, 25782..25973, 26082..26153, 26084..26149, 26251..26340, 26253..26339, 26432..26467		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o5.tm	Method	TBLASTX:Maize
Start	25781	End	26542
GI	none	Score	191
Exons	25781..25972, 25782..25973, 26082..26153, 26084..26149, 26249..26344, 26253..26339, 26471..26542		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o3.tw	Method	TBLASTX:Wheat
Start	26105	End	26655
GI	none	Score	51
Exons	26105..26146, 26106..26153, 26249..26377, 26253..26339, 26431..26520, 26432..26521, 26608..26655		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o10.tm	Method	TBLASTX:Maize
Start	26613	End	27185
GI	none	Score	67
Exons	26613..26678, 26617..26700, 26680..26766, 26712..26762, 26862..26954, 26863..26976, 27074..27184, 27081..27185		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o5.tc	Method	TBLASTX:Cress
Start	26719	End	27191
GI	none	Score	66
Exons	26719..26766, 26863..26976, 26865..26957, 27074..27184, 27081..27191		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o11.tm	Method	TBLASTX:Maize
Start	27620	End	27799
GI	none	Score	276
Exons	27620..27799, 27621..27794		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o7.gs	Method	GENSCAN
Start	29364	End	31307
GI	none	Score	.53
Exons	29364..29699, 31059..31307		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o3.tm	Method	TBLASTX:Maize

Start	30083	End	30650
GI	none	Score	144
Exons	30083..30313, 30102..30305, 30400..30462, 30414..30650, 30459..30566		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o6.tc	Method	TBLASTX:Cress
Start	30083	End	30304
GI	none	Score	82
Exons	30083..30304, 30102..30296		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38913	Strand	-
Start	29364	End	31307
Name	OJ990406_03.9819.C14.o4.ts	Method	TBLASTX:Soybean
Start	30155	End	30524
GI	none	Score	142
Exons	30155..30295, 30156..30296, 30183..30305, 30414..30521, 30414..30524		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38914	Strand	
Start	32176	End	32483
Name	OJ990406_03.9819.C14.o8.tm	Method	TBLASTX:Maize
Start	32176	End	32483
GI	none	Score	316
Exons	32176..32475, 32187..32483, 32292..32483		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38915	Strand	
Start	33552	End	33894
Name	OJ990406_03.9819.C14.o9.tm	Method	TBLASTX:Maize
Start	33552	End	33894
GI	none	Score	93
Exons	33552..33611, 33553..33624, 33645..33884, 33655..33888, 33689..33889, 33700..33894		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38916	Strand	
Start	33901	End	34633
Name	OJ990406_03.9819.C14.o4.tm	Method	TBLASTX:Maize
Start	33901	End	34633
GI	none	Score	70
Exons	33901..33972, 33982..34578, 34056..34286, 34532..34633		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38916	Strand	
Start	33901	End	34633
Name	OJ990406_03.9819.C14.o2.tw	Method	TBLASTX:Wheat
Start	33913	End	34521
GI	none	Score	290
Exons	33913..34299, 34065..34295, 34314..34391, 34315..34404, 34399..34521, 34413..34451		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14

Gene No.	38916	Strand	
Start	33901	End	34633
Name	OJ990406_03.9819.C14.o5.ts	Method	TBLASTX:Soybean
Start	34078	End	34539
GI	none	Score	292
Exons	34078..34539, 34152..34379		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38916	Strand	
Start	33901	End	34633
Name	OJ990406_03.9819.C14.o3.tc	Method	TBLASTX:Cress
Start	34117	End	34542
GI	none	Score	293
Exons	34117..34542, 34119..34268		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o3.ts	Method	TBLASTX:Soybean
Start	35064	End	35561
GI	5509260	Score	408
Exons	35064..35354, 35065..35556, 35285..35437, 35400..35561		
GI Descrip.	-		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o2.tc	Method	TBLASTX:Cress
Start	35191	End	35460
GI	none	Score	302
Exons	35191..35460, 35205..35441		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o1.tw	Method	TBLASTX:Wheat
Start	35241	End	35787
GI	none	Score	290
Exons	35241..35357, 35242..35586, 35400..35531, 35578..35787, 35625..35750		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o6.tm	Method	TBLASTX:Maize
Start	35241	End	35673
GI	none	Score	342
Exons	35241..35333, 35242..35673, 35400..35615		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o7.tc	Method	TBLASTX:Cress
Start	35632	End	35925
GI	none	Score	206
Exons	35632..35925		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o8.ts	Method	TBLASTX:Soybean
Start	35740	End	35916
GI	none	Score	190
Exons	35740..35916, 35742..35885		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o4.tw	Method	TBLASTX:Wheat
Start	35797	End	36183
GI	none	Score	108
Exons	35797..35916, 35937..36032, 35938..36183, 36131..36172		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o2.tm	Method	TBLASTX:Maize
Start	35929	End	36591
GI	none	Score	318
Exons	35929..36285, 36027..36098, 36183..36284, 36366..36440, 36367..36591		

Seq. No.	18532	Seq. ID	OJ990406_03.9819.C14
Gene No.	38917	Strand	
Start	35064	End	36621
Name	OJ990406_03.9819.C14.o2.ts	Method	TBLASTX:Soybean
Start	35947	End	36621
GI	none	Score	415
Exons	35947..36294, 35949..36119, 36134..36259, 36180..36458, 36361..36621, 36580..36621		

Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38918	Strand	+
Start	899	End	7927
Name	OJ990406_03.9819.C15.o1.gs	Method	GENSCAN
Start	899	End	7927
GI	none	Score	.62
Exons	899..1059, 2783..2890, 4381..4734, 4837..5073, 5188..5302, 5405..5478, 6417..6574, 7755..7927		

Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38918	Strand	+
Start	899	End	7927
Name	OJ990406_03.9819.C15.o1.gp	Method	AAT/GAP
Start	4541	End	4895
GI	572445	Score	465
Exons	4541..4734, 4837..4895		

Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38919	Strand	+
Start	18018	End	22559
Name	OJ990406_03.9819.C15.o2.np	Method	AAT/NAP
Start	18018	End	22559
GI	5042463	Score	175

Exons	18018..18123, 19622..19815, 20478..20633, 20685..20766, 22540..22559		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38920	Strand	+
Start	22838	End	28843
Name	OJ990406_03.9819.C15.o6.gs	Method	GENSCAN
Start	22838	End	25283
GI	none	Score	.6
Exons	22838..23016, 23397..23598, 25158..25283		
Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38920	Strand	+
Start	22838	End	28843
Name	OJ990406_03.9819.C15.o3.np	Method	AAT/NAP
Start	24086	End	27938
GI	6907088	Score	353
Exons	24086..24223, 24399..24642, 27545..27938		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38920	Strand	+
Start	22838	End	28843
Name	OJ990406_03.9819.C15.o4.np	Method	AAT/NAP
Start	26403	End	28843
GI	6069654	Score	189
Exons	26403..26437, 27474..28229, 28474..28843		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38921	Strand	-
Start	10436	End	12456
Name	OJ990406_03.9819.C15.o2.gs	Method	GENSCAN
Start	10436	End	12456
GI	none	Score	.49
Exons	10436..10495, 10613..10754, 11099..11121, 11231..11983, 12010..12456		
Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38921	Strand	-
Start	10436	End	12456
Name	OJ990406_03.9819.C15.o1.np	Method	AAT/NAP
Start	10448	End	11517
GI	5922628	Score	294
Exons	10448..10736, 11430..11517		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38922	Strand	-
Start	14820	End	18056
Name	OJ990406_03.9819.C15.o3.gs	Method	GENSCAN
Start	14820	End	18056
GI	none	Score	.83
Exons	14820..15083, 15374..15433, 15489..15585, 15663..15800,		

15938..16034, 17139..17304, 17385..18056

Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38923	Strand	-
Start	19279	End	19828
Name	OJ990406_03.9819.C15.o4.gs	Method	GENSCAN
Start	19279	End	19828
GI	none	Score	.82
Exons	19279..19446, 19742..19828		

Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38924	Strand	-
Start	20705	End	22044
Name	OJ990406_03.9819.C15.o5.gs	Method	GENSCAN
Start	20705	End	22044
GI	none	Score	.69
Exons	20705..21481, 21690..21833, 21838..22044		

Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38925	Strand	-
Start	26773	End	28683
Name	OJ990406_03.9819.C15.o1.ts	Method	TBLASTX:Soybean
Start	5428	End	6573
GI	none	Score	87
Exons	5428..5481, 5429..5479, 6417..6572, 6418..6573		

Seq. No.	18533	Seq. ID	OJ990406_03.9819.C15
Gene No.	38925	Strand	-
Start	26773	End	28683
Name	OJ990406_03.9819.C15.o7.gs	Method	GENSCAN
Start	26773	End	28683
GI	none	Score	.44
Exons	26773..26844, 27522..27721, 27940..28114, 28120..28398, 28499..28683		

Seq. No.	18534	Seq. ID	OJ990406_03.9819.C16
Gene No.	38926	Strand	+
Start	1	End	4283
Name	OJ990406_03.9819.C16.o1.np	Method	AAT/NAP
Start	1	End	4283
GI	6069646	Score	181
Exons	1..29, 4085..4283		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	18534	Seq. ID	OJ990406_03.9819.C16
Gene No.	38926	Strand	+
Start	1	End	4283
Name	OJ990406_03.9819.C16.o1.gs	Method	GENSCAN
Start	2356	End	2932
GI	none	Score	.89
Exons	2356..2558, 2659..2932		

Seq. No.	18534	Seq. ID	OJ990406_03.9819.C16

Gene No.	38927	Strand	+
Start	7302	End	10616
Name	OJ990406_03.9819.C16.o3.gs	Method	GENSCAN
Start	7302	End	10616
GI	none	Score	.72
Exons	7302..7391, 7589..7738, 8702..8846, 8884..9023, 9216..10616		

Seq. No.	18534	Seq. ID	OJ990406_03.9819.C16
Gene No.	38928	Strand	+
Start	13171	End	14641
Name	OJ990406_03.9819.C16.o5.gs	Method	GENSCAN
Start	13171	End	14641
GI	none	Score	.84
Exons	13171..13263, 13927..14156, 14203..14641		

Seq. No.	18534	Seq. ID	OJ990406_03.9819.C16
Gene No.	38929	Strand	-
Start	4776	End	6780
Name	OJ990406_03.9819.C16.o2.gs	Method	GENSCAN
Start	4776	End	6780
GI	none	Score	.59
Exons	4776..4900, 5062..5089, 5785..6780		

Seq. No.	18534	Seq. ID	OJ990406_03.9819.C16
Gene No.	38930	Strand	-
Start	13948	End	15090
Name	OJ990406_03.9819.C16.o2.np	Method	AAT/NAP
Start	13948	End	15090
GI	2916931	Score	26
Exons	13948..14196, 14368..14464, 15063..15090		
GI Descrip.	(AL022004) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38931	Strand	+
Start	125	End	2545
Name	OJ990406_03.9819.C17.o1.gs	Method	GENSCAN
Start	125	End	2545
GI	none	Score	.91
Exons	125..288, 1904..2090, 2326..2545		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38932	Strand	+
Start	6307	End	7872
Name	OJ990406_03.9819.C17.o3.gs	Method	GENSCAN
Start	6307	End	7872
GI	none	Score	.51
Exons	6307..6416, 6571..6772, 6849..7083, 7766..7872		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38933	Strand	+
Start	12742	End	13130
Name	OJ990406_03.9819.C17.o2.gp	Method	AAT/GAP
Start	12742	End	13130
GI	none	Score	774
Exons	12742..13130		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17

Gene No.	38934	Strand	+
Start	17774	End	18381
Name	OJ990406_03.9819.C17.o5.gs	Method	GENSCAN
Start	17774	End	18381
GI	none	Score	.96
Exons	17774..17785, 17818..17959, 18053..18381		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38935	Strand	+
Start	18491	End	18569
Name	OJ990406_03.9819.C17.o4.gp	Method	AAT/GAP
Start	18491	End	18569
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	18491..18569		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38936	Strand	-
Start	3594	End	4856
Name	OJ990406_03.9819.C17.o2.gs	Method	GENSCAN
Start	3594	End	4856
GI	none	Score	.54
Exons	3594..4856		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38937	Strand	-
Start	8913	End	15654
Name	OJ990406_03.9819.C17.o4.gs	Method	GENSCAN
Start	8913	End	15251
GI	none	Score	.86
Exons	8913..9052, 10045..10244, 12079..12206, 12697..13305, 14394..14771, 14868..15251		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38937	Strand	-
Start	8913	End	15654
Name	OJ990406_03.9819.C17.o1.np	Method	AAT/NAP
Start	12078	End	15654
GI	6522920	Score	649
Exons	12078..12206, 12697..13305, 14394..14771, 14868..15235, 15628..15654		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38937	Strand	-
Start	8913	End	15654
Name	OJ990406_03.9819.C17.o1.tm	Method	TBLASTX:Maize
Start	12796	End	13203
GI	none	Score	163
Exons	12796..12987, 12812..13015, 12818..12979, 12820..13026, 13042..13200, 13043..13201, 13090..13203		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38937	Strand	-
Start	8913	End	15654

Name	OJ990406_03.9819.C17.o3.gp	Method	AAT/GAP
Start	14515	End	15032
GI	none	Score	824
Exons	14515..14771, 14868..15032		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38937	Strand	-
Start	8913	End	15654
Name	OJ990406_03.9819.C17.o1.tc	Method	TBLASTX:Cress
Start	14565	End	15047
GI	none	Score	161
Exons	14565..14666, 14742..14777, 14859..15047		

Seq. No.	18535	Seq. ID	OJ990406_03.9819.C17
Gene No.	38937	Strand	-
Start	8913	End	15654
Name	OJ990406_03.9819.C17.o2.tm	Method	TBLASTX:Maize
Start	14703	End	15210
GI	none	Score	143
Exons	14703..14750, 14859..14888, 14937..15065, 15094..15210, 15120..15209		

Seq. No.	18536	Seq. ID	OJ990406_03.9819.C18
Gene No.	38938	Strand	+
Start	139	End	685
Name	OJ990406_03.9819.C18.o1.gs	Method	GENSCAN
Start	139	End	685
GI	none	Score	.93
Exons	139..685		

Seq. No.	18537	Seq. ID	OJ990626_47.9922.C1
Gene No.	38939	Strand	-
Start	1	End	2915
Name	OJ990626_47.9922.C1.o1.np	Method	AAT/NAP
Start	1	End	2915
GI	2499535	Score	691
Exons	1..180, 816..1129, 2160..2915		
GI Descrip.	2-OXOGLUTARATE/MALATE TRANSLOCATOR PRECURSOR gi|595681 (U13238) 2-oxoglutarate/malate translocator [Spinacia oleracea]		

Seq. No.	18537	Seq. ID	OJ990626_47.9922.C1
Gene No.	38939	Strand	-
Start	1	End	2915
Name	OJ990626_47.9922.C1.o1.gs	Method	GENSCAN
Start	374	End	2741
GI	none	Score	.44
Exons	374..386, 816..1129, 2160..2741		

Seq. No.	18537	Seq. ID	OJ990626_47.9922.C1
Gene No.	38939	Strand	-
Start	1	End	2915
Name	OJ990626_47.9922.C1.o2.tm	Method	TBLASTX:Maize
Start	808	End	1150
GI	none	Score	392
Exons	808..972, 815..1150, 816..1133, 817..1134		

Seq. No.	18537	Seq. ID	OJ990626_47.9922.C1

Gene No.	38939	Strand	-
Start	1	End	2915
Name	OJ990626_47.9922.C1.o1.ts	Method	TBLASTX:Soybean
Start	815	End	1125
GI	none	Score	339
Exons	815..1108, 816..1124, 816..1124, 817..1125		

Seq. No.	18537	Seq. ID	OJ990626_47.9922.C1
Gene No.	38939	Strand	-
Start	1	End	2915
Name	OJ990626_47.9922.C1.o1.tc	Method	TBLASTX:Cress
Start	821	End	2268
GI	none	Score	300
Exons	821..1108, 822..1124, 997..1125, 2139..2264, 2160..2267, 2164..2268		

Seq. No.	18537	Seq. ID	OJ990626_47.9922.C1
Gene No.	38939	Strand	-
Start	1	End	2915
Name	OJ990626_47.9922.C1.o1.tm	Method	TBLASTX:Maize
Start	2181	End	2670
GI	none	Score	219
Exons	2181..2357, 2182..2358, 2350..2379, 2379..2669, 2380..2670		

Seq. No.	18537	Seq. ID	OJ990626_47.9922.C1
Gene No.	38939	Strand	-
Start	1	End	2915
Name	OJ990626_47.9922.C1.o2.ts	Method	TBLASTX:Soybean
Start	2340	End	2648
GI	none	Score	168
Exons	2340..2648, 2341..2646		

Seq. No.	18537	Seq. ID	OJ990626_47.9922.C1
Gene No.	38939	Strand	-
Start	1	End	2915
Name	OJ990626_47.9922.C1.o2.tc	Method	TBLASTX:Cress
Start	2526	End	2690
GI	none	Score	145
Exons	2526..2690, 2530..2679		

Seq. No.	18538	Seq. ID	OJ990626_47.9922.C2
Gene No.	38940	Strand	+
Start	207	End	301
Name	OJ990626_47.9922.C2.o1.gs	Method	GENSCAN
Start	207	End	301
GI	none	Score	.44
Exons	207..301		

Seq. No.	18539	Seq. ID	OJ990626_47.9922.C4
Gene No.	38941	Strand	-
Start	116	End	1153
Name	OJ990626_47.9922.C4.o1.gs	Method	GENSCAN
Start	116	End	1153
GI	none	Score	.96
Exons	116..233, 425..604, 932..1153		

Seq. No.	18540	Seq. ID	OJ990626_47.9922.C5

Gene No.	38942	Strand	+
Start	4	End	45
Name	OJ990626_47.9922.C5.o1.gs	Method	GENSCAN
Start	4	End	45
GI	none	Score	.63
Exons	4..45		

Seq. No.	18540	Seq. ID	OJ990626_47.9922.C5
Gene No.	38943	Strand	-
Start	340	End	471
Name	OJ990626_47.9922.C5.o1.gp	Method	AAT/GAP
Start	340	End	471
GI	none	Score	260
Exons	340..471		

Seq. No.	18541	Seq. ID	OJ990626_47.9922.C6
Gene No.	38944	Strand	+
Start	1	End	358
Name	OJ990626_47.9922.C6.o1.gp	Method	AAT/GAP
Start	1	End	316
GI	none	Score	619
Exons	1..316		

Seq. No.	18541	Seq. ID	OJ990626_47.9922.C6
Gene No.	38944	Strand	+
Start	1	End	358
Name	OJ990626_47.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	358
GI	3747044	Score	141
Exons	1..53, 198..358		
GI Descrip.	(AF093537) blue copper protein [Zea mays]		

Seq. No.	18541	Seq. ID	OJ990626_47.9922.C6
Gene No.	38945	Strand	-
Start	194	End	367
Name	OJ990626_47.9922.C6.o1.gs	Method	GENSCAN
Start	194	End	367
GI	none	Score	.83
Exons	194..367		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38946	Strand	+
Start	128	End	559
Name	OJ990626_47.9922.C7.o1.np	Method	AAT/NAP
Start	128	End	559
GI	4309727	Score	348
Exons	128..559		
GI Descrip.	(AC006439) putative ribosomal protein L6 [Arabidopsis thaliana]		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o1.tm	Method	TBLASTX:Maize
Start	288	End	561
GI	none	Score	391
Exons	288..521, 290..532, 290..529, 292..561, 352..561		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	288	End	465
GI	none	Score	300
Exons	288..461, 290..463, 293..463, 352..465		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o2.tc	Method	TBLASTX:Cress
Start	290	End	552
GI	none	Score	92
Exons	290..361, 341..532, 367..552		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o1.gs	Method	GENSCAN
Start	2097	End	3338
GI	none	Score	.99
Exons	2097..3338		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o2.np	Method	AAT/NAP
Start	2293	End	3296
GI	6729030	Score	421
Exons	2293..2574, 2632..3003, 3042..3296		
GI Descrip.	(AC009177) putative RING-H2 zinc finger protein ATL6 [Arabidopsis thaliana]		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	2757	End	2999
GI	none	Score	126
Exons	2757..2999, 2758..2916, 2808..2948		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o2.tm	Method	TBLASTX:Maize
Start	2760	End	2915
GI	none	Score	128
Exons	2760..2909, 2761..2913, 2808..2915		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o1.tc	Method	TBLASTX:Cress
Start	2766	End	3221
GI	none	Score	159
Exons	2766..2996, 2767..2994, 3099..3221		

Seq. No.	18542	Seq. ID	OJ990626_47.9922.C7
Gene No.	38947	Strand	-
Start	2097	End	3338
Name	OJ990626_47.9922.C7.o1.ts	Method	TBLASTX:Soybean
Start	2799	End	3200
GI	none	Score	165
Exons	2799..3017, 2800..3018, 3099..3200		

Seq. No.	18543	Seq. ID	OJ990626_47.9922.C8
Gene No.	38948	Strand	+
Start	171	End	310
Name	OJ990626_47.9922.C8.o1.gs	Method	GENSCAN
Start	171	End	310
GI	none	Score	.63
Exons	171..310		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o1.gp	Method	AAT/GAP
Start	1	End	491
GI	32487_1.R1084	Score	494
Exons	1..183, 261..333, 465..491		
GI Descrip.	'6006894/gb|AAF00669.1|AC008153_21 6.0e-23 (AC008153) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o2.tc	Method	TBLASTX:Cress
Start	1	End	335
GI	none	Score	75
Exons	1..93, 5..76, 148..186, 258..335, 258..335		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o1.np	Method	AAT/NAP
Start	1	End	3176
GI	6006894	Score	913
Exons	1..48, 261..333, 465..583, 654..1044, 1123..1287, 1865..1956, 2525..2895, 3134..3176		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o1.gs	Method	GENSCAN
Start	117	End	6210
GI	none	Score	.73
Exons	117..183, 261..348, 465..583, 654..1041, 1123..1287, 2390..2409, 2525..2781, 3220..3351, 5116..5308, 5417..5713, 6081..6210		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283

Name	OJ990626_47.9922.C9.o2.tm	Method	TBLASTX:Maize
Start	258	End	704
GI	none	Score	114
Exons	258..335, 259..336, 259..336, 462..584, 463..585, 464..577, 632..703, 633..704, 639..704		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o3.ts	Method	TBLASTX:Soybean
Start	258	End	756
GI	none	Score	78
Exons	258..335, 259..336, 462..584, 464..577, 481..585, 528..584, 633..752, 639..752, 640..756		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o3.tc	Method	TBLASTX:Cress
Start	1870	End	2771
GI	none	Score	140
Exons	1870..1974, 2534..2770, 2541..2771		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o2.np	Method	AAT/NAP
Start	5078	End	6283
GI	1346113	Score	678
Exons	5078..5308, 5417..5713, 6081..6283		
GI Descrip.	GTP CYCLOHYDROLASE II gi|1084339|pir||JC4209 GTP cyclohydrolase II (EC 3.5.4.25) - Arabidopsis thaliana gi|940383|dbj|BAA08113| (D45165) GTP cyclohydrolase II [Arabidopsis thaliana]		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o2.ts	Method	TBLASTX:Soybean
Start	5090	End	5312
GI	none	Score	167
Exons	5090..5311, 5091..5312		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o1.tc	Method	TBLASTX:Cress
Start	5111	End	6234
GI	none	Score	148
Exons	5111..5311, 5115..5312, 5404..5583, 5414..5719, 5418..5660, 5640..5696, 6072..6218, 6082..6234		

Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	5129	End	6228
GI	none	Score	203

Exons	5129..5311, 5130..5312, 5131..5319, 5413..5613, 5413..5607, 5414..5704, 5414..5728, 5418..5714, 6072..6218, 6085..6228		
Seq. No.	18544	Seq. ID	OJ990626_47.9922.C9
Gene No.	38949	Strand	-
Start	1	End	6283
Name	OJ990626_47.9922.C9.o1.ts	Method	TBLASTX:Soybean
Start	5414	End	5719
GI	none	Score	282
Exons	5414..5719, 5418..5714		
Seq. No.	18545	Seq. ID	OJ990626_47.9922.C10
Gene No.	38950	Strand	+
Start	1	End	218
Name	OJ990626_47.9922.C10.o1.gp	Method	AAT/GAP
Start	1	End	218
GI	none	Score	125
Exons	1..25, 129..218		
Seq. No.	18545	Seq. ID	OJ990626_47.9922.C10
Gene No.	38951	Strand	-
Start	210	End	733
Name	OJ990626_47.9922.C10.o1.np	Method	AAT/NAP
Start	182	End	670
GI	3608147	Score	109
Exons	182..329, 452..670		
GI Descrip.	(AC005314) putative chloroplast RNA binding protein precursor [Arabidopsis thaliana]		
Seq. No.	18545	Seq. ID	OJ990626_47.9922.C10
Gene No.	38951	Strand	-
Start	210	End	733
Name	OJ990626_47.9922.C10.o1.gs	Method	GENSCAN
Start	210	End	733
GI	none	Score	.97
Exons	210..329, 452..733		
Seq. No.	18545	Seq. ID	OJ990626_47.9922.C10
Gene No.	38951	Strand	-
Start	210	End	733
Name	OJ990626_47.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	232	End	623
GI	none	Score	96
Exons	232..330, 248..331, 267..332, 449..622, 449..622, 456..623		
Seq. No.	18545	Seq. ID	OJ990626_47.9922.C10
Gene No.	38951	Strand	-
Start	210	End	733
Name	OJ990626_47.9922.C10.o2.gp	Method	AAT/GAP
Start	438	End	733
GI	1799_1.R1084	Score	503
Exons	438..733		
GI Descrip.	'3608147 3.0e-18 (AC005314) putative chloroplast 31 kDa ribonucleoprotein precursor [Arabidopsis thaliana]'		
Seq. No.	18546	Seq. ID	OJ990626_47.9922.C11
Gene No.	38952	Strand	+

Start	7151	End	7560
Name	OJ990626_47.9922.C11.o2.gs	Method	GENSCAN
Start	7151	End	7560
GI	none	Score	.88
Exons	7151..7457, 7556..7560		

Seq. No.	18546	Seq. ID	OJ990626_47.9922.C11
Gene No.	38953	Strand	-
Start	293	End	1229
Name	OJ990626_47.9922.C11.o1.gp	Method	AAT/GAP
Start	293	End	1229
GI	1799_1.R1084	Score	567
Exons	293..391, 1020..1229		
GI Descrip.	'3608147 3.0e-18 (AC005314) putative chloroplast 31 kDa ribonucleoprotein precursor [Arabidopsis thaliana]'		

Seq. No.	18546	Seq. ID	OJ990626_47.9922.C11
Gene No.	38954	Strand	-
Start	7925	End	12154
Name	OJ990626_47.9922.C11.o3.gs	Method	GENSCAN
Start	7925	End	12154
GI	none	Score	.53
Exons	7925..8221, 8241..8328, 8333..8452, 8457..8755, 9292..9384, 10278..10471, 11046..11116, 11199..11285, 11381..11434, 11820..12154		

Seq. No.	18546	Seq. ID	OJ990626_47.9922.C11
Gene No.	38955	Strand	-
Start	13988	End	15430
Name	OJ990626_47.9922.C11.o4.gs	Method	GENSCAN
Start	13988	End	15430
GI	none	Score	.57
Exons	13988..14025, 15177..15430		

Seq. No.	18547	Seq. ID	OJ990626_47.9922.C12
Gene No.	38956	Strand	-
Start	2274	End	5050
Name	OJ990626_47.9922.C12.o1.gs	Method	GENSCAN
Start	2274	End	5050
GI	none	Score	.65
Exons	2274..2387, 2797..3261, 3376..3889, 3990..4076, 4950..5050		

Seq. No.	18547	Seq. ID	OJ990626_47.9922.C12
Gene No.	38956	Strand	-
Start	2274	End	5050
Name	OJ990626_47.9922.C12.o1.np	Method	AAT/NAP
Start	2295	End	3420
GI	3641870	Score	365
Exons	2295..2387, 2797..3012, 3094..3261, 3376..3420		
GI Descrip.	(AJ011013) hypothetical protein [Cicer arietinum]		

Seq. No.	18547	Seq. ID	OJ990626_47.9922.C12
Gene No.	38956	Strand	-
Start	2274	End	5050
Name	OJ990626_47.9922.C12.o2.ts	Method	TBLASTX:Soybean
Start	2334	End	2991
GI	none	Score	145

Exons	2334..2396, 2798..2971, 2800..2991		
Seq. No.	18547	Seq. ID	OJ990626_47.9922.C12
Gene No.	38956	Strand	-
Start	2274	End	5050
Name	OJ990626_47.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	2812	End	2994
GI	none	Score	65
Exons	2812..2868, 2812..2967, 2822..2968, 2968..2994		
Seq. No.	18547	Seq. ID	OJ990626_47.9922.C12
Gene No.	38956	Strand	-
Start	2274	End	5050
Name	OJ990626_47.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	3187	End	3690
GI	none	Score	57
Exons	3187..3261, 3206..3262, 3376..3501, 3385..3489, 3395..3502, 3595..3690		
Seq. No.	18547	Seq. ID	OJ990626_47.9922.C12
Gene No.	38956	Strand	-
Start	2274	End	5050
Name	OJ990626_47.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	3199	End	3501
GI	none	Score	68
Exons	3199..3261, 3206..3262, 3206..3280, 3344..3499, 3374..3478, 3376..3501		
Seq. No.	18548	Seq. ID	OJ990626_47.9922.C14
Gene No.	38957	Strand	+
Start	207	End	510
Name	OJ990626_47.9922.C14.o1.gs	Method	GENSCAN
Start	207	End	510
GI	none	Score	.69
Exons	207..328, 447..510		
Seq. No.	18548	Seq. ID	OJ990626_47.9922.C14
Gene No.	38958	Strand	-
Start	1414	End	2125
Name	OJ990626_47.9922.C14.o1.tm	Method	TBLASTX:Maize
Start	1254	End	2125
GI	none	Score	45
Exons	1254..1307, 1267..1308, 1330..1527, 1384..1527, 1409..1528, 1452..1529, 1888..2124, 1890..2123, 1897..2124, 1898..2125		
Seq. No.	18548	Seq. ID	OJ990626_47.9922.C14
Gene No.	38958	Strand	-
Start	1414	End	2125
Name	OJ990626_47.9922.C14.o2.ts	Method	TBLASTX:Soybean
Start	1348	End	1528
GI	none	Score	58
Exons	1348..1527, 1411..1521, 1412..1528		
Seq. No.	18548	Seq. ID	OJ990626_47.9922.C14
Gene No.	38958	Strand	-
Start	1414	End	2125
Name	OJ990626_47.9922.C14.o1.tc	Method	TBLASTX:Cress

Start	1390	End	1999
GI	none	Score	138
Exons	1390..1527, 1421..1528, 1888..1998, 1896..1973, 1897..1974, 1898..1999		

Seq. No.	18548	Seq. ID	OJ990626_47.9922.C14
Gene No.	38958	Strand	-
Start	1414	End	2125
Name	OJ990626_47.9922.C14.o1.np	Method	AAT/NAP
Start	1414	End	2125
GI	4104457	Score	481
Exons	1414..1526, 1896..2125		
GI Descrip.	(AF036172) 2-oxoglutarate/malate translocator [Zea mays]		

Seq. No.	18548	Seq. ID	OJ990626_47.9922.C14
Gene No.	38958	Strand	-
Start	1414	End	2125
Name	OJ990626_47.9922.C14.o2.gs	Method	GENSCAN
Start	1713	End	2013
GI	none	Score	.82
Exons	1713..1792, 1896..2013		

Seq. No.	18548	Seq. ID	OJ990626_47.9922.C14
Gene No.	38958	Strand	-
Start	1414	End	2125
Name	OJ990626_47.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	1928	End	2124
GI	none	Score	179
Exons	1928..2122, 1933..2124, 1934..2122		

Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38959	Strand	+
Start	11295	End	13287
Name	OJ990626_47.9922.C16.o4.gs	Method	GENSCAN
Start	11295	End	13287
GI	none	Score	.43
Exons	11295..11422, 11613..11800, 13103..13287		

Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38960	Strand	-
Start	3802	End	4933
Name	OJ990626_47.9922.C16.o1.gp	Method	AAT/GAP
Start	3532	End	4933
GI	5988_1.R1084	Score	1758
Exons	3532..4184, 4674..4933		
GI Descrip.	'2493318/sp|Q41001|BCP_PEA 3.0e-17 BLUE COPPER PROTEIN PRECURSOR >gi_562779_emb_CAA80963_ (Z25471) blue copper protein [Pisum sativum] >gi_1098264_prf__2115352A blue Cu protein [Pisum sativum]'		

Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38960	Strand	-
Start	3802	End	4933
Name	OJ990626_47.9922.C16.o1.np	Method	AAT/NAP
Start	3787	End	4842
GI	2493318	Score	289
Exons	3787..4184, 4674..4842		

GI Descrip.	BLUE COPPER PROTEIN PRECURSOR gi|562779|emb|CAA80963| (Z25471) blue copper protein [Pisum sativum] gi|1098264|prf||2115352A blue Cu protein [Pisum sativum]		
Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38960	Strand	-
Start	3802	End	4933
Name	OJ990626_47.9922.C16.o2.gs	Method	GENSCAN
Start	3802	End	4836
GI	none	Score	1
Exons	3802..4184, 4674..4836		
Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38961	Strand	-
Start	5652	End	9871
Name	OJ990626_47.9922.C16.o3.gs	Method	GENSCAN
Start	5652	End	9871
GI	none	Score	.5
Exons	5652..5967, 8675..8837, 8921..9304, 9742..9871		
Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38962	Strand	-
Start	14991	End	15767
Name	OJ990626_47.9922.C16.o5.gs	Method	GENSCAN
Start	14991	End	15767
GI	none	Score	1
Exons	14991..15414, 15544..15767		
Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38963	Strand	-
Start	16449	End	17078
Name	OJ990626_47.9922.C16.o6.gs	Method	GENSCAN
Start	16449	End	17078
GI	none	Score	.54
Exons	16449..16658, 17070..17078		
Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38964	Strand	-
Start	17853	End	18258
Name	OJ990626_47.9922.C16.o1.tm	Method	TBLASTX:Maize
Start	14980	End	15707
GI	none	Score	67
Exons	14980..15039, 14994..15038, 15140..15196, 15141..15188, 15153..15326, 15522..15614, 15543..15611, 15544..15642, 15675..15707		
Seq. No.	18549	Seq. ID	OJ990626_47.9922.C16
Gene No.	38964	Strand	-
Start	17853	End	18258
Name	OJ990626_47.9922.C16.o2.gp	Method	AAT/GAP
Start	17853	End	18258
GI	5004078	Score	710
Exons	17853..18258		
Seq. No.	18550	Seq. ID	OJ990626_47.9922.C18
Gene No.	38965	Strand	+
Start	1800	End	2345

Name	OJ990626_47.9922.C18.o1.gp	Method	AAT/GAP
Start	1800	End	2345
GI	none	Score	974
Exons	1800..2345		

Seq. No.	18550	Seq. ID	OJ990626_47.9922.C18
Gene No.	38965	Strand	+
Start	1800	End	2345
Name	OJ990626_47.9922.C18.o1.gs	Method	GENSCAN
Start	1883	End	2323
GI	none	Score	.85
Exons	1883..2323		

Seq. No.	18550	Seq. ID	OJ990626_47.9922.C18
Gene No.	38966	Strand	-
Start	3595	End	5000
Name	OJ990626_47.9922.C18.o2.gs	Method	GENSCAN
Start	3595	End	5000
GI	none	Score	.94
Exons	3595..4223, 4890..5000		

Seq. No.	18551	Seq. ID	OJ990626_47.9922.C19
Gene No.	38967	Strand	+
Start	23	End	580
Name	OJ990626_47.9922.C19.o1.gs	Method	GENSCAN
Start	23	End	397
GI	none	Score	.55
Exons	23..185, 240..397		

Seq. No.	18551	Seq. ID	OJ990626_47.9922.C19
Gene No.	38967	Strand	+
Start	23	End	580
Name	OJ990626_47.9922.C19.o1.np	Method	AAT/NAP
Start	240	End	580
GI	3695384	Score	189
Exons	240..440, 510..580		
GI Descrip.	(AF096370) contains similarity to the helix-loop-helix DNA-binding domain (Pfam: PF00010 HLH, E-value: 0.0046) [Arabidopsis thaliana]		

Seq. No.	18551	Seq. ID	OJ990626_47.9922.C19
Gene No.	38967	Strand	+
Start	23	End	580
Name	OJ990626_47.9922.C19.o1.ts	Method	TBLASTX:Soybean
Start	272	End	565
GI	none	Score	185
Exons	272..397, 274..429, 533..565		

Seq. No.	18552	Seq. ID	OJ990626_47.9922.C22
Gene No.	38968	Strand	-
Start	1	End	1579
Name	OJ990626_47.9922.C22.o1.np	Method	AAT/NAP
Start	1	End	1579
GI	2578365	Score	265
Exons	1..122, 214..421, 1503..1579		
GI Descrip.	(AJ002298) GTP cyclohydrolase II / 3,4-dihydroxy-2-butanone-4-phosphate synthase [Lycopersicon		

esculentum]

Seq. No.	18552	Seq. ID	OJ990626_47.9922.C22
Gene No.	38968	Strand	-
Start	1	End	1579
Name	OJ990626_47.9922.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	312
GI	none	Score	77
Exons	1..69, 1..111, 3..119, 21..125, 199..306, 211..312		

Seq. No.	18552	Seq. ID	OJ990626_47.9922.C22
Gene No.	38968	Strand	-
Start	1	End	1579
Name	OJ990626_47.9922.C22.o1.tc	Method	TBLASTX:Cress
Start	1	End	349
GI	none	Score	76
Exons	1..69, 3..119, 21..125, 199..312, 212..262, 217..312, 299..349		

Seq. No.	18552	Seq. ID	OJ990626_47.9922.C22
Gene No.	38968	Strand	-
Start	1	End	1579
Name	OJ990626_47.9922.C22.o1.tm	Method	TBLASTX:Maize
Start	1	End	294
GI	none	Score	91
Exons	1..69, 1..90, 3..119, 3..119, 68..124, 199..294, 214..294		

Seq. No.	18552	Seq. ID	OJ990626_47.9922.C22
Gene No.	38968	Strand	-
Start	1	End	1579
Name	OJ990626_47.9922.C22.o1.gs	Method	GENSCAN
Start	30	End	1298
GI	none	Score	.59
Exons	30..122, 214..609, 1228..1298		

Seq. No.	18553	Seq. ID	OJ990626_47.9922.C23
Gene No.	38969	Strand	-
Start	139	End	1361
Name	OJ990626_47.9922.C23.o1.gs	Method	GENSCAN
Start	139	End	1361
GI	none	Score	.78
Exons	139..447, 1287..1361		

Seq. No.	18554	Seq. ID	OJ990626_44.9919.C1
Gene No.	38970	Strand	-
Start	1	End	1237
Name	OJ990626_44.9919.C1.o1.gp	Method	AAT/GAP
Start	1	End	1237
GI	342_1.R1084	Score	1994
Exons	1..1237		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18554	Seq. ID	OJ990626_44.9919.C1
Gene No.	38970	Strand	-
Start	1	End	1237
Name	OJ990626_44.9919.C1.o1.np	Method	AAT/NAP
Start	212	End	1237

GI	4680203	Score	898
Exons	212..1237		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	18554	Seq. ID	OJ990626_44.9919.C1
Gene No.	38970	Strand	-
Start	1	End	1237
Name	OJ990626_44.9919.C1.o1.tw	Method	TBLASTX:Wheat
Start	266	End	1236
GI	none	Score	52
Exons	266..358, 267..332, 347..427, 432..512, 440..580, 441..581, 528..623, 560..619, 626..670, 631..666, 665..769, 696..770, 699..770, 755..1087, 765..998, 771..1091, 772..1092, 1092..1160, 1098..1184, 1170..1235, 1207..1236		

Seq. No.	18555	Seq. ID	OJ990626_44.9919.C3
Gene No.	38971	Strand	-
Start	503	End	1311
Name	OJ990626_44.9919.C3.o1.ts	Method	TBLASTX:Soybean
Start	476	End	1153
GI	none	Score	37
Exons	476..505, 539..1153, 549..959, 1026..1151		

Seq. No.	18555	Seq. ID	OJ990626_44.9919.C3
Gene No.	38971	Strand	-
Start	503	End	1311
Name	OJ990626_44.9919.C3.o1.gs	Method	GENSCAN
Start	503	End	1258
GI	none	Score	.85
Exons	503..1258		

Seq. No.	18555	Seq. ID	OJ990626_44.9919.C3
Gene No.	38971	Strand	-
Start	503	End	1311
Name	OJ990626_44.9919.C3.o1.np	Method	AAT/NAP
Start	506	End	1311
GI	2586082	Score	1029
Exons	506..1311		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	18555	Seq. ID	OJ990626_44.9919.C3
Gene No.	38971	Strand	-
Start	503	End	1311
Name	OJ990626_44.9919.C3.o1.tc	Method	TBLASTX:Cress
Start	530	End	1174
GI	none	Score	124
Exons	530..724, 758..880, 890..961, 971..1174		

Seq. No.	18555	Seq. ID	OJ990626_44.9919.C3
Gene No.	38971	Strand	-
Start	503	End	1311
Name	OJ990626_44.9919.C3.o1.tm	Method	TBLASTX:Maize
Start	563	End	1027
GI	none	Score	174
Exons	563..850, 564..851, 852..986, 857..985, 965..1027		

Seq. No.	18555	Seq. ID	OJ990626_44.9919.C3

Gene No.	38971	Strand	-
Start	503	End	1311
Name	OJ990626_44.9919.C3.o1.tw	Method	TBLASTX:Wheat
Start	917	End	1309
GI	none	Score	197
Exons	917..1309, 918..1298		

Seq. No.	18555	Seq. ID	OJ990626_44.9919.C3
Gene No.	38971	Strand	-
Start	503	End	1311
Name	OJ990626_44.9919.C3.o2.tm	Method	TBLASTX:Maize
Start	1028	End	1220
GI	none	Score	167
Exons	1028..1219, 1029..1220		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38972	Strand	+
Start	3640	End	3810
Name	OJ990626_44.9919.C4.o2.np	Method	AAT/NAP
Start	3640	End	3810
GI	6705984	Score	163
Exons	3640..3810		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38973	Strand	+
Start	4499	End	5068
Name	OJ990626_44.9919.C4.o3.np	Method	AAT/NAP
Start	4499	End	5068
GI	6678139	Score	106
Exons	4499..5068		
GI Descrip.	simple repeat sequence-containing transcript gi|730888|sp|Q06666|T2_MOUSE OCTAPEPTIDE-REPEAT PROTEIN T2 gi|296382|emb|CAA48048| (X67863) T2 [Mus musculus]		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o1.np	Method	AAT/NAP
Start	1	End	3053
GI	2586082	Score	2858
Exons	1..649, 677..3053		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o1.gs	Method	GENSCAN
Start	14	End	3041
GI	none	Score	.51
Exons	14..3041		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o2.tw	Method	TBLASTX:Wheat
Start	793	End	1178

GI	none	Score	99
Exons	793..1098, 840..1175, 843..1178		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o1.tc	Method	TBLASTX:Cress
Start	831	End	1299
GI	none	Score	65
Exons	831..1295, 937..1299		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o1.ts	Method	TBLASTX:Soybean
Start	849	End	1268
GI	none	Score	280
Exons	849..1268		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o2.tm	Method	TBLASTX:Maize
Start	861	End	1286
GI	none	Score	60
Exons	861..1220, 901..1044, 1197..1286		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o2.ts	Method	TBLASTX:Soybean
Start	1290	End	1691
GI	none	Score	65
Exons	1290..1469, 1485..1592, 1489..1593, 1605..1691		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o3.tm	Method	TBLASTX:Maize
Start	1770	End	2072
GI	none	Score	110
Exons	1770..2072, 1782..2072		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o1.tw	Method	TBLASTX:Wheat
Start	1777	End	2130
GI	none	Score	278
Exons	1777..2130, 1782..2129		

Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o4.tw	Method	TBLASTX:Wheat
Start	2373	End	2657
GI	none	Score	75

Exons	2373..2657, 2499..2642		
Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o2.tc	Method	TBLASTX:Cress
Start	2460	End	2981
GI	none	Score	79
Exons	2460..2834, 2853..2981		
Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o1.tm	Method	TBLASTX:Maize
Start	2538	End	2958
GI	none	Score	162
Exons	2538..2834, 2545..2784, 2847..2957, 2848..2958		
Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38974	Strand	-
Start	1	End	3053
Name	OJ990626_44.9919.C4.o3.tw	Method	TBLASTX:Wheat
Start	2658	End	3035
GI	none	Score	229
Exons	2658..3035		
Seq. No.	18556	Seq. ID	OJ990626_44.9919.C4
Gene No.	38975	Strand	
Start	3631	End	4000
Name	OJ990626_44.9919.C4.o4.tm	Method	TBLASTX:Maize
Start	3631	End	4000
GI	none	Score	185
Exons	3631..3852, 3642..3728, 3669..3857, 3676..3852, 3956..4000		
Seq. No.	18557	Seq. ID	OJ990626_44.9919.C5
Gene No.	38976	Strand	+
Start	662	End	1816
Name	OJ990626_44.9919.C5.o1.np	Method	AAT/NAP
Start	662	End	1816
GI	4680204	Score	685
Exons	662..1816		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	18557	Seq. ID	OJ990626_44.9919.C5
Gene No.	38976	Strand	+
Start	662	End	1816
Name	OJ990626_44.9919.C5.o1.gs	Method	GENSCAN
Start	750	End	1788
GI	none	Score	.68
Exons	750..1788		
Seq. No.	18557	Seq. ID	OJ990626_44.9919.C5
Gene No.	38976	Strand	+
Start	662	End	1816
Name	OJ990626_44.9919.C5.o1.tw	Method	TBLASTX:Wheat
Start	1268	End	1671
GI	none	Score	210

Exons	1268..1378, 1270..1506, 1276..1419, 1371..1538, 1501..1671, 1576..1671		
Seq. No.	18558	Seq. ID	OJ990626_44.9919.C6
Gene No.	38977	Strand	+
Start	150	End	1577
Name	OJ990626_44.9919.C6.o1.gs	Method	GENSCAN
Start	150	End	1577
GI	none	Score	.58
Exons	150..244, 246..931, 1040..1213, 1310..1420, 1505..1577		
Seq. No.	18559	Seq. ID	OJ990626_44.9919.C10
Gene No.	38978	Strand	-
Start	765	End	5210
Name	OJ990626_44.9919.C10.o1.gs	Method	GENSCAN
Start	765	End	5210
GI	none	Score	.52
Exons	765..842, 1265..1367, 1666..1773, 2520..2659, 5140..5210		
Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38979	Strand	+
Start	1571	End	2276
Name	OJ990626_44.9919.C12.o1.gs	Method	GENSCAN
Start	1571	End	2276
GI	none	Score	.64
Exons	1571..1631, 2176..2276		
Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38980	Strand	+
Start	6052	End	7793
Name	OJ990626_44.9919.C12.o2.gs	Method	GENSCAN
Start	6052	End	7793
GI	none	Score	.58
Exons	6052..6241, 6655..7646, 7680..7793		
Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38980	Strand	+
Start	6052	End	7793
Name	OJ990626_44.9919.C12.o2.np	Method	AAT/NAP
Start	6064	End	7646
GI	4191255	Score	985
Exons	6064..6241, 6655..7646		
GI Descrip.	(AJ132323) chalcone synthase [Casuarina glauca]		
Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38981	Strand	+
Start	11613	End	13863
Name	OJ990626_44.9919.C12.o3.np	Method	AAT/NAP
Start	11613	End	13863
GI	6539553	Score	3922
Exons	11613..13863		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12

Gene No.	38982	Strand	-
Start	3357	End	8163
Name	OJ990626_44.9919.C12.o5.tw	Method	TBLASTX:Wheat
Start	2858	End	3214
GI	none	Score	36
Exons	2858..2890, 2882..2989, 2886..2999, 2898..3047, 2997..3071, 2998..3075, 3005..3073, 3075..3137, 3076..3144, 3077..3172, 3182..3214		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38982	Strand	-
Start	3357	End	8163
Name	OJ990626_44.9919.C12.o1.np	Method	AAT/NAP
Start	3357	End	8163
GI	6630696	Score	998
Exons	3357..4026, 8123..8163		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38982	Strand	-
Start	3357	End	8163
Name	OJ990626_44.9919.C12.o2.tw	Method	TBLASTX:Wheat
Start	3493	End	3969
GI	none	Score	375
Exons	3493..3879, 3493..3873, 3495..3878, 3888..3968, 3894..3968, 3895..3969		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38982	Strand	-
Start	3357	End	8163
Name	OJ990626_44.9919.C12.o4.ts	Method	TBLASTX:Soybean
Start	3606	End	3980
GI	none	Score	45
Exons	3606..3830, 3715..3831, 3849..3974, 3849..3980		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38982	Strand	-
Start	3357	End	8163
Name	OJ990626_44.9919.C12.o5.tm	Method	TBLASTX:Maize
Start	3825	End	4020
GI	none	Score	87
Exons	3825..4019, 3825..4019, 3826..4020		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38982	Strand	-
Start	3357	End	8163
Name	OJ990626_44.9919.C12.o1.tm	Method	TBLASTX:Maize
Start	6046	End	7637
GI	none	Score	209
Exons	6046..6243, 6046..6138, 6096..6239, 6669..6758, 6681..6764, 6822..7121, 6824..7120, 7170..7316, 7380..7607, 7382..7516, 7554..7637, 7562..7630		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38982	Strand	-

Start	3357	End	8163
Name	OJ990626_44.9919.C12.o1.tc	Method	TBLASTX:Cress
Start	6073	End	7637
GI	none	Score	212
Exons	6073..6243, 6099..6239, 6669..6758, 6822..7121, 6824..6970, 7031..7084, 7170..7310, 7187..7297, 7380..7607, 7382..7516, 7554..7637, 7562..7633		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38982	Strand	-
Start	3357	End	8163
Name	OJ990626_44.9919.C12.o1.ts	Method	TBLASTX:Soybean
Start	6078	End	7643
GI	none	Score	215
Exons	6078..6239, 6079..6243, 6669..6758, 6822..7316, 6824..7084, 7380..7550, 7382..7510, 7562..7630, 7563..7643		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38983	Strand	
Start	11607	End	12053
Name	OJ990626_44.9919.C12.o3.tw	Method	TBLASTX:Wheat
Start	11607	End	11994
GI	none	Score	351
Exons	11607..11993, 11618..11980, 11790..11990, 11842..11994		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38983	Strand	
Start	11607	End	12053
Name	OJ990626_44.9919.C12.o3.tm	Method	TBLASTX:Maize
Start	11742	End	12053
GI	none	Score	357
Exons	11742..12053, 11750..11980, 11793..12050		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38984	Strand	
Start	12554	End	12876
Name	OJ990626_44.9919.C12.o2.tm	Method	TBLASTX:Maize
Start	12554	End	12876
GI	none	Score	268
Exons	12554..12808, 12561..12875, 12581..12874, 12709..12876		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38985	Strand	
Start	12903	End	13849
Name	OJ990626_44.9919.C12.o3.ts	Method	TBLASTX:Soybean
Start	12903	End	13289
GI	none	Score	88
Exons	12903..13058, 13041..13289		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38985	Strand	
Start	12903	End	13849
Name	OJ990626_44.9919.C12.o4.tm	Method	TBLASTX:Maize
Start	13077	End	13511
GI	none	Score	303
Exons	13077..13511, 13286..13486		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38985	Strand	
Start	12903	End	13849
Name	OJ990626_44.9919.C12.o4.tw	Method	TBLASTX:Wheat
Start	13155	End	13346
GI	none	Score	275
Exons	13155..13346, 13155..13346		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38985	Strand	
Start	12903	End	13849
Name	OJ990626_44.9919.C12.o2.ts	Method	TBLASTX:Soybean
Start	13299	End	13697
GI	none	Score	197
Exons	13299..13523, 13307..13477, 13524..13697, 13532..13570		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38985	Strand	
Start	12903	End	13849
Name	OJ990626_44.9919.C12.o2.tc	Method	TBLASTX:Cress
Start	13332	End	13721
GI	none	Score	112
Exons	13332..13514, 13527..13721		

Seq. No.	18560	Seq. ID	OJ990626_44.9919.C12
Gene No.	38985	Strand	
Start	12903	End	13849
Name	OJ990626_44.9919.C12.o1.tw	Method	TBLASTX:Wheat
Start	13347	End	13849
GI	none	Score	632
Exons	13347..13811, 13355..13849		

Seq. No.	18561	Seq. ID	OJ990626_44.9919.C13
Gene No.	38986	Strand	+
Start	1	End	1842
Name	OJ990626_44.9919.C13.o1.np	Method	AAT/NAP
Start	1	End	895
GI	6539553	Score	1501
Exons	1..895		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	18561	Seq. ID	OJ990626_44.9919.C13
Gene No.	38986	Strand	+
Start	1	End	1842
Name	OJ990626_44.9919.C13.o2.ts	Method	TBLASTX:Soybean
Start	2	End	277
GI	none	Score	230
Exons	2..277, 4..132		

Seq. No.	18561	Seq. ID	OJ990626_44.9919.C13
Gene No.	38986	Strand	+
Start	1	End	1842
Name	OJ990626_44.9919.C13.o1.tm	Method	TBLASTX:Maize
Start	88	End	427

GI	none	Score	318
Exons	88..426, 89..427		

Seq. No.	18561	Seq. ID	OJ990626_44.9919.C13
Gene No.	38986	Strand	+
Start	1	End	1842
Name	OJ990626_44.9919.C13.o1.gs	Method	GENSCAN
Start	107	End	1842
GI	none	Score	.74
Exons	107..894, 1692..1842		

Seq. No.	18561	Seq. ID	OJ990626_44.9919.C13
Gene No.	38986	Strand	+
Start	1	End	1842
Name	OJ990626_44.9919.C13.o1.tw	Method	TBLASTX:Wheat
Start	283	End	759
GI	none	Score	101
Exons	283..354, 284..358, 285..356, 373..759, 374..721		

Seq. No.	18561	Seq. ID	OJ990626_44.9919.C13
Gene No.	38986	Strand	+
Start	1	End	1842
Name	OJ990626_44.9919.C13.o1.ts	Method	TBLASTX:Soybean
Start	290	End	631
GI	none	Score	91
Exons	290..403, 316..396, 422..631, 427..552		

Seq. No.	18562	Seq. ID	OJ990626_44.9919.C14
Gene No.	38987	Strand	+
Start	5182	End	11469
Name	OJ990626_44.9919.C14.o2.np	Method	AAT/NAP
Start	5182	End	11469
GI	5295955	Score	544
Exons	5182..5276, 8842..8911, 9451..9564, 10248..10449, 10499..10675, 10796..11333, 11362..11469		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	18562	Seq. ID	OJ990626_44.9919.C14
Gene No.	38988	Strand	-
Start	1	End	5605
Name	OJ990626_44.9919.C14.o1.np	Method	AAT/NAP
Start	1	End	5155
GI	6433991	Score	289
Exons	1..75, 3476..3589, 3688..3805, 4886..4995, 5094..5155		
GI Descrip.	(AL132798) mak16-like protein [Schizosaccharomyces pombe]		

Seq. No.	18562	Seq. ID	OJ990626_44.9919.C14
Gene No.	38988	Strand	-
Start	1	End	5605
Name	OJ990626_44.9919.C14.o1.gs	Method	GENSCAN
Start	1293	End	5605
GI	none	Score	.61
Exons	1293..1394, 1825..1938, 2219..2355, 2401..2407, 2662..2748, 2837..2979, 4886..4995, 5207..5307, 5474..5605		

Seq. No.	18562	Seq. ID	OJ990626_44.9919.C14

Gene No.	38988	Strand	-
Start	1	End	5605
Name	OJ990626_44.9919.C14.o1.gp	Method	AAT/GAP
Start	3492	End	3589
GI	427797	Score	146
Exons	3492..3589		
GI Descrip.	1109826/gb|AAB47596.1| 3.0e-16 (U41534) similar to yeast MAK16 protein (SP:MK16_YEAST,P10962) [Caenorhabditis elegans]		

Seq. No.	18562	Seq. ID	OJ990626_44.9919.C14
Gene No.	38989	Strand	-
Start	6908	End	11792
Name	OJ990626_44.9919.C14.o1.tm	Method	TBLASTX:Maize
Start	2223	End	5179
GI	none	Score	35
Exons	2223..2252, 2228..2338, 2239..2319, 2678..2722, 2825..2890, 2941..2976, 3046..3129, 3059..3157, 3062..3139, 3488..3589, 3491..3589, 3671..3736, 3688..3738, 3736..3810, 3738..3806, 4878..5006, 4882..4998, 5088..5147, 5093..5179		

Seq. No.	18562	Seq. ID	OJ990626_44.9919.C14
Gene No.	38989	Strand	-
Start	6908	End	11792
Name	OJ990626_44.9919.C14.o1.ts	Method	TBLASTX:Soybean
Start	2223	End	5179
GI	none	Score	35
Exons	2223..2252, 2228..2338, 2239..2319, 2678..2722, 2825..2890, 2941..2976, 3046..3129, 3059..3157, 3062..3139, 3488..3589, 3491..3589, 3671..3736, 3688..3738, 3736..3810, 3738..3806, 4878..5006, 4882..4998, 5088..5147, 5093..5179		

Seq. No.	18562	Seq. ID	OJ990626_44.9919.C14
Gene No.	38989	Strand	-
Start	6908	End	11792
Name	OJ990626_44.9919.C14.o2.gs	Method	GENSCAN
Start	6908	End	9486
GI	none	Score	.44
Exons	6908..7885, 8017..8320, 8357..8523, 9382..9486		

Seq. No.	18562	Seq. ID	OJ990626_44.9919.C14
Gene No.	38989	Strand	-
Start	6908	End	11792
Name	OJ990626_44.9919.C14.o2.tm	Method	TBLASTX:Maize
Start	8428	End	11792
GI	none	Score	109
Exons	8428..8631, 8429..8632, 11724..11792		

Seq. No.	18563	Seq. ID	OJ990626_44.9919.C15
Gene No.	38990	Strand	+
Start	371	End	541
Name	OJ990626_44.9919.C15.o1.gs	Method	GENSCAN
Start	371	End	541
GI	none	Score	.54
Exons	371..541		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38991	Strand	+

Start	18171	End	18591
Name	OJ990626_44.9919.C16.o4.gs	Method	GENSCAN
Start	18171	End	18591
GI	none	Score	.75
Exons	18171..18591		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38992	Strand	+
Start	18996	End	20137
Name	OJ990626_44.9919.C16.o4.np	Method	AAT/NAP
Start	18996	End	20137
GI	6321804	Score	215
Exons	18996..19117, 19241..19401, 19923..20137		
GI Descrip.	SH3 domain in C-terminus; Ysc84p gi|626598|pir||S46791 hypothetical protein YHR016c - yeast (Saccharomyces cerevisiae) gi|500710 (U10400) Ysc84p [Saccharomyces cerevisiae]		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38993	Strand	-
Start	600	End	6124
Name	OJ990626_44.9919.C16.o1.np	Method	AAT/NAP
Start	600	End	6124
GI	5257279	Score	6264
Exons	600..1202, 1316..1477, 1694..4361, 4995..5230, 5579..6124		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38994	Strand	-
Start	8580	End	13236
Name	OJ990626_44.9919.C16.o2.gs	Method	GENSCAN
Start	8580	End	12866
GI	none	Score	.54
Exons	8580..8592, 8631..8694, 8843..8917, 9104..9286, 9801..9906, 10551..10682, 11928..12866		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38994	Strand	-
Start	8580	End	13236
Name	OJ990626_44.9919.C16.o1.gp	Method	AAT/GAP
Start	11290	End	12385
GI	uC-osflcyp028d10b1	Score	924
Exons	11290..11319, 11928..12385		
GI Descrip.	'3687239 1.0e-13 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38994	Strand	-
Start	8580	End	13236
Name	OJ990626_44.9919.C16.o2.np	Method	AAT/NAP
Start	11931	End	13236
GI	3212877	Score	1062
Exons	11931..12831, 13163..13236		
GI Descrip.	(AC004005) similar to late embryogenesis abundant proteins [Arabidopsis thaliana]		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16

Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o6.tw	Method	TBLASTX:Wheat
Start	240	End	573
GI	none	Score	103
Exons	240..572, 349..573		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o3.tm	Method	TBLASTX:Maize
Start	432	End	1016
GI	none	Score	209
Exons	432..860, 433..861, 447..872, 862..1014	731..865, 856..990, 858..1016,	

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o1.tw	Method	TBLASTX:Wheat
Start	573	End	1199
GI	none	Score	262
Exons	573..1199, 574..1197		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o6.tm	Method	TBLASTX:Maize
Start	1017	End	1241
GI	none	Score	199
Exons	1017..1241, 1021..1239		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o4.ts	Method	TBLASTX:Soybean
Start	1161	End	1405
GI	none	Score	97
Exons	1161..1283, 1162..1284, 1286..1405		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o4.tw	Method	TBLASTX:Wheat
Start	1206	End	1694
GI	none	Score	76
Exons	1206..1283, 1210..1284, 1220..1285, 1277..1459, 1281..1694, 1281..1667, 1286..1693		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o9.tm	Method	TBLASTX:Maize
Start	1242	End	1555
GI	none	Score	36
Exons	1242..1283, 1243..1284, 1283..1456, 1283..1555		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o2.tw	Method	TBLASTX:Wheat
Start	1694	End	2197
GI	none	Score	269
Exons	1694..2197, 1695..2189		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o4.tm	Method	TBLASTX:Maize
Start	1763	End	2125
GI	none	Score	147
Exons	1763..2122, 1772..2125, 1857..2123		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o5.ts	Method	TBLASTX:Soybean
Start	1946	End	2191
GI	none	Score	204
Exons	1946..2191		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o8.tm	Method	TBLASTX:Maize
Start	2129	End	2386
GI	none	Score	173
Exons	2129..2386, 2133..2372		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o7.tw	Method	TBLASTX:Wheat
Start	2198	End	2496
GI	none	Score	132
Exons	2198..2401, 2214..2372, 2258..2386, 2391..2480, 2416..2496		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o3.ts	Method	TBLASTX:Soybean
Start	2213	End	2606
GI	none	Score	132
Exons	2213..2401, 2214..2372, 2255..2383, 2391..2570, 2410..2568, 2430..2576, 2574..2606, 2575..2604		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o5.tm	Method	TBLASTX:Maize
Start	2523	End	2964
GI	none	Score	73
Exons	2523..2963, 2716..2964		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o3.tw	Method	TBLASTX:Wheat
Start	2547	End	3027
GI	none	Score	92
Exons	2547..3017, 2551..2694, 2556..2969, 2722..3027		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o9.tw	Method	TBLASTX:Wheat
Start	3153	End	3530
GI	none	Score	72
Exons	3153..3275, 3154..3264, 3309..3530, 3409..3480		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o10.tm	Method	TBLASTX:Maize
Start	3213	End	3536
GI	none	Score	44
Exons	3213..3353, 3213..3536, 3412..3489		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o8.tw	Method	TBLASTX:Wheat
Start	4083	End	4469
GI	none	Score	60
Exons	4083..4232, 4230..4469, 4361..4447		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o1.tm	Method	TBLASTX:Maize
Start	11890	End	12786
GI	none	Score	97
Exons	11890..12030, 11900..12115, 11938..12147, 11939..12148, 11958..12770, 12067..12771, 12385..12786		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o1.ts	Method	TBLASTX:Soybean
Start	11924	End	12774
GI	none	Score	38
Exons	11924..11950, 11958..12770, 11959..12030, 11960..12118, 12067..12771, 12427..12774		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o1.tc	Method	TBLASTX:Cress
Start	11929	End	12880
GI	none	Score	77
Exons	11929..12030, 11938..12117, 11958..12110, 11958..12770,		

12070..12771, 12183..12788, 12184..12777, 12809..12880

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o10.tw	Method	TBLASTX:Wheat
Start	12627	End	12771
GI	none	Score	117
Exons	12627..12770, 12631..12771		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38995	Strand	-
Start	14487	End	15495
Name	OJ990626_44.9919.C16.o3.gs	Method	GENSCAN
Start	14487	End	15495
GI	none	Score	.68
Exons	14487..14658, 15293..15495		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38996	Strand	
Start	18534	End	20125
Name	OJ990626_44.9919.C16.o2.tm	Method	TBLASTX:Maize
Start	18534	End	19056
GI	none	Score	829
Exons	18534..19055, 18538..19056, 18540..19046, 18551..19054		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38996	Strand	
Start	18534	End	20125
Name	OJ990626_44.9919.C16.o2.ts	Method	TBLASTX:Soybean
Start	18593	End	20120
GI	none	Score	659
Exons	18593..19069, 18600..19079, 18697..19080, 19198..19404, 19203..19397, 19920..20120, 19925..20119		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38996	Strand	
Start	18534	End	20125
Name	OJ990626_44.9919.C16.o2.tc	Method	TBLASTX:Cress
Start	18669	End	18839
GI	none	Score	187
Exons	18669..18839, 18683..18835		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38996	Strand	
Start	18534	End	20125
Name	OJ990626_44.9919.C16.o5.tw	Method	TBLASTX:Wheat
Start	18981	End	19964
GI	none	Score	158
Exons	18981..19079, 18981..19079, 18982..19083, 18983..19081, 18997..19086, 19198..19404, 19198..19311, 19206..19403, 19919..19963, 19919..19963, 19920..19964		

Seq. No.	18564	Seq. ID	OJ990626_44.9919.C16
Gene No.	38996	Strand	
Start	18534	End	20125
Name	OJ990626_44.9919.C16.o7.tm	Method	TBLASTX:Maize

Start	19198	End	20125
GI	none	Score	292
Exons	19198..19404, 19203..19400, 19919..20125, 19920..20120		

Seq. No.	18565	Seq. ID	OJ990626_44.9919.C17
Gene No.	38997	Strand	+
Start	703	End	4758
Name	OJ990626_44.9919.C17.o1.gs	Method	GENSCAN
Start	703	End	4758
GI	none	Score	.89
Exons	703..874, 1972..2964, 3278..3457, 4047..4157, 4654..4758		

Seq. No.	18565	Seq. ID	OJ990626_44.9919.C17
Gene No.	38997	Strand	+
Start	703	End	4758
Name	OJ990626_44.9919.C17.o1.np	Method	AAT/NAP
Start	814	End	4494
GI	2224931	Score	117
Exons	814..841, 2299..2630, 4419..4494		
GI Descrip.	(AF004215) ethylene-insensitive3-like3 [Arabidopsis thaliana] gi|6692737|gb|AAF24843.1|AC012679_14 (AC012679) ethylene-insensitive3-like3 (EIL3) [Arabidopsis thaliana]		

Seq. No.	18566	Seq. ID	OJ990626_44.9919.C18
Gene No.	38998	Strand	+
Start	258	End	644
Name	OJ990626_44.9919.C18.o1.gs	Method	GENSCAN
Start	258	End	644
GI	none	Score	.88
Exons	258..403, 597..644		

Seq. No.	18567	Seq. ID	OJ990626_39.9922.C1
Gene No.	38999	Strand	+
Start	109	End	860
Name	OJ990626_39.9922.C1.o1.gs	Method	GENSCAN
Start	109	End	860
GI	none	Score	.68
Exons	109..129, 605..860		

Seq. No.	18567	Seq. ID	OJ990626_39.9922.C1
Gene No.	39000	Strand	-
Start	1400	End	12130
Name	OJ990626_39.9922.C1.o1.np	Method	AAT/NAP
Start	1400	End	4600
GI	6539588	Score	226
Exons	1400..1441, 3604..3883, 4574..4600		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	18567	Seq. ID	OJ990626_39.9922.C1
Gene No.	39000	Strand	-
Start	1400	End	12130
Name	OJ990626_39.9922.C1.o2.gs	Method	GENSCAN
Start	2792	End	12130
GI	none	Score	.59
Exons	2792..2886, 3137..3263, 3684..3883, 4120..4299, 4790..4867, 5917..6103, 7144..7230, 8634..10018, 10156..10349, 11055..11157, 12124..12130		

Seq. No.	18567	Seq. ID	OJ990626_39.9922.C1
Gene No.	39000	Strand	-
Start	1400	End	12130
Name	OJ990626_39.9922.C1.o2.np	Method	AAT/NAP
Start	5943	End	8374
GI	3687239	Score	94
Exons	5943..6046, 7144..7252, 8341..8374		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis thaliana]		

Seq. No.	18567	Seq. ID	OJ990626_39.9922.C1
Gene No.	39000	Strand	-
Start	1400	End	12130
Name	OJ990626_39.9922.C1.o3.np	Method	AAT/NAP
Start	8610	End	9185
GI	5852173	Score	355
Exons	8610..9185		
GI Descrip.	(AL117265) zhb0003.1 [Oryza sativa]		

Seq. No.	18567	Seq. ID	OJ990626_39.9922.C1
Gene No.	39000	Strand	-
Start	1400	End	12130
Name	OJ990626_39.9922.C1.o2.gp	Method	AAT/GAP
Start	9985	End	10329
GI	2442632	Score	372
Exons	9985..10018, 10156..10329		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39001	Strand	+
Start	1394	End	2429
Name	OJ990626_39.9922.C2.o1.gp	Method	AAT/GAP
Start	1394	End	2429
GI	25465_1.R1084	Score	841
Exons	1394..1629, 2192..2429		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39001	Strand	+
Start	1394	End	2429
Name	OJ990626_39.9922.C2.o1.gs	Method	GENSCAN
Start	1497	End	2310
GI	none	Score	.48
Exons	1497..1629, 2192..2310		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39002	Strand	+
Start	15094	End	16065
Name	OJ990626_39.9922.C2.o4.gs	Method	GENSCAN
Start	15094	End	16065
GI	none	Score	.65
Exons	15094..15156, 15638..15777, 15993..16065		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39003	Strand	-
Start	2564	End	8026

Name	OJ990626_39.9922.C2.o2.gs	Method	GENSCAN
Start	2564	End	8026
GI	none	Score	.6
Exons	2564..2710, 3495..4172, 5395..5489, 7122..7601, 7659..7844, 8020..8026		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o3.gs	Method	GENSCAN
Start	8349	End	14202
GI	none	Score	.52
Exons	8349..8526, 9563..9612, 12792..12992, 13760..13846, 13909..14202		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o2.gp	Method	AAT/GAP
Start	12423	End	12825
GI	20850_1.R1084	Score	690
Exons	12423..12825		
GI Descrip.	'3687239 3.0e-18 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o1.tw	Method	TBLASTX:Wheat
Start	12568	End	12995
GI	none	Score	213
Exons	12568..12609, 12690..12824, 12691..12825, 12694..12825, 12698..12871, 12924..12995, 12925..12993		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o1.tm	Method	TBLASTX:Maize
Start	12647	End	14235
GI	none	Score	225
Exons	12647..12778, 12658..12825, 12684..12824, 12924..12995, 12925..12993, 12926..13009, 13760..13849, 13761..13850, 14062..14235, 14063..14203		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o1.tc	Method	TBLASTX:Cress
Start	12653	End	14209
GI	none	Score	157
Exons	12653..12778, 12699..12824, 12703..12825, 12735..12869, 12924..12995, 12925..12993, 13760..13849, 13761..13850, 14062..14202, 14063..14209		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o1.ts	Method	TBLASTX:Soybean

Start	12687	End	13002
GI	none	Score	117
Exons	12687..12815, 12690..12821, 12691..12822, 12691..12822, 12924..13001, 12924..12995, 12925..13002		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o1.np	Method	AAT/NAP
Start	12693	End	14202
GI	3687239	Score	578
Exons	12693..12824, 12924..12992, 13760..13846, 14062..14202		
GI Descrip.	(AC005169) putative clathrin assembly protein [Arabidopsis thaliana]		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o3.gp	Method	AAT/GAP
Start	12946	End	14263
GI	2280898	Score	525
Exons	12946..12992, 13760..13846, 14062..14263		
GI Descrip.	3687239 1.0e-13 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]		

Seq. No.	18568	Seq. ID	OJ990626_39.9922.C2
Gene No.	39004	Strand	-
Start	8349	End	14263
Name	OJ990626_39.9922.C2.o2.ts	Method	TBLASTX:Soybean
Start	13760	End	14203
GI	none	Score	115
Exons	13760..13849, 13761..13850, 14062..14202, 14063..14203		

Seq. No.	18569	Seq. ID	OJ990626_39.9922.C4
Gene No.	39005	Strand	+
Start	1409	End	3949
Name	OJ990626_39.9922.C4.o1.gs	Method	GENSCAN
Start	1409	End	3949
GI	none	Score	.67
Exons	1409..1559, 3048..3511, 3590..3817, 3828..3949		

Seq. No.	18570	Seq. ID	OJ990626_39.9922.C5
Gene No.	39006	Strand	+
Start	317	End	640
Name	OJ990626_39.9922.C5.o1.gs	Method	GENSCAN
Start	317	End	640
GI	none	Score	.7
Exons	317..440, 585..640		

Seq. No.	18571	Seq. ID	OJ990626_39.9922.C7
Gene No.	39007	Strand	+
Start	475	End	1127
Name	OJ990626_39.9922.C7.o1.np	Method	AAT/NAP
Start	475	End	1127
GI	2498930	Score	743
Exons	475..543, 711..1127		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION		

PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	18571	Seq. ID	OJ990626_39.9922.C7
Gene No.	39007	Strand	+
Start	475	End	1127
Name	OJ990626_39.9922.C7.o1.gs	Method	GENSCAN
Start	484	End	1105
GI	none	Score	.99
Exons	484..543, 711..1105		

Seq. No.	18572	Seq. ID	OJ990626_39.9922.C8
Gene No.	39008	Strand	-
Start	85	End	467
Name	OJ990626_39.9922.C8.o1.gs	Method	GENSCAN
Start	85	End	359
GI	none	Score	.54
Exons	85..359		

Seq. No.	18572	Seq. ID	OJ990626_39.9922.C8
Gene No.	39008	Strand	-
Start	85	End	467
Name	OJ990626_39.9922.C8.o1.np	Method	AAT/NAP
Start	88	End	467
GI	2120937	Score	366
Exons	88..467		
GI Descrip.	aut protein - Alcaligenes eutrophus gi|555666 (U07639) Aut [Alcaligenes eutrophus]		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39009	Strand	+
Start	3610	End	10324
Name	OJ990426_24.9924.C1.o2.np	Method	AAT/NAP
Start	3610	End	10324
GI	1166450	Score	167
Exons	3610..3699, 5738..5831, 8081..8275, 9052..9198, 10226..10324		
GI Descrip.	(X95262) Tfm5 [Lycopersicon esculentum]		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39009	Strand	+
Start	3610	End	10324
Name	OJ990426_24.9924.C1.o2.gs	Method	GENSCAN
Start	7267	End	8368
GI	none	Score	.46
Exons	7267..7272, 7982..8368		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39009	Strand	+
Start	3610	End	10324
Name	OJ990426_24.9924.C1.o3.gs	Method	GENSCAN
Start	8974	End	9432
GI	none	Score	.61
Exons	8974..9432		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39010	Strand	-
Start	1	End	5512
Name	OJ990426_24.9924.C1.o1.np	Method	AAT/NAP

Start	1	End	2069
GI	6598811	Score	695
Exons	1..75, 639..824, 1573..1699, 1795..1891, 1977..2069		
GI Descrip.	(AF024504) putative vacuolar sorting-associated protein [Arabidopsis thaliana]		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39010	Strand	-
Start	1	End	5512
Name	OJ990426_24.9924.C1.o1.gs	Method	GENSCAN
Start	639	End	5512
GI	none	Score	.7
Exons	639..824, 1573..1699, 1795..1891, 1977..2340, 4838..4989, 5297..5512		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39010	Strand	-
Start	1	End	5512
Name	OJ990426_24.9924.C1.o1.gp	Method	AAT/GAP
Start	1611	End	2124
GI	426219	Score	592
Exons	1611..1699, 1795..1891, 1977..2124		
GI Descrip.	2435519 5.0e-34 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39010	Strand	-
Start	1	End	5512
Name	OJ990426_24.9924.C1.o2.gp	Method	AAT/GAP
Start	4467	End	5471
GI	62018_1.R1084	Score	926
Exons	4467..4637, 4838..4989, 5297..5471		
GI Descrip.	'2435519 5.0e-34 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]'		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o5.tm	Method	TBLASTX:Maize
Start	1	End	821
GI	none	Score	92
Exons	1..75, 3..74, 635..814, 638..814, 711..821		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o2.ts	Method	TBLASTX:Soybean
Start	638	End	823
GI	none	Score	38
Exons	638..823, 639..659, 640..819, 711..821		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o1.tc	Method	TBLASTX:Cress

Start	674	End	2054
GI	none	Score	92
Exons	674..823, 684..836, 692..808, 711..821, 1557..1658, 1635..1697, 1796..1900, 1800..1892, 1977..2054, 1977..2054		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	1557	End	2057
GI	none	Score	73
Exons	1557..1658, 1569..1643, 1600..1674, 1635..1697, 1782..1892, 1783..1899, 1796..1900, 1975..2007, 1977..2057, 1986..2057		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o2.tm	Method	TBLASTX:Maize
Start	1572	End	2222
GI	none	Score	184
Exons	1572..1697, 1573..1698, 1587..1700, 1796..1900, 1800..1892, 1804..1899, 1975..2013, 1977..2075, 1977..2078, 2113..2205, 2193..2222, 2199..2222		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o3.np	Method	AAT/NAP
Start	10345	End	16660
GI	6815062	Score	6168
Exons	10345..10456, 10649..10769, 10824..10844, 12267..12606, 12684..12782, 12864..13214, 13258..13463, 13556..13747, 13824..14211, 14305..14585, 14858..14930, 15149..16660		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o4.gs	Method	GENSCAN
Start	10472	End	17290
GI	none	Score	.43
Exons	10472..10619, 10679..10775, 11879..12016, 12267..12606, 12684..12782, 12864..12967, 13060..13214, 13258..13463, 13556..13747, 13824..14084, 14147..14220, 14315..14585, 14858..14930, 15149..15391, 15729..17290		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o3.tm	Method	TBLASTX:Maize
Start	12523	End	13992
GI	none	Score	67
Exons	12523..12621, 12864..12989, 13019..13165, 13257..13283, 13290..13457, 13290..13457, 13538..13615, 13688..13759, 13821..13991, 13828..13992		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o4.tm	Method	TBLASTX:Maize
Start	13995	End	14477
GI	none	Score	145
Exons	13995..14090, 14100..14129, 14124..14207, 14292..14477, 14299..14475		

Seq. No.	18573	Seq. ID	OJ990426_24.9924.C1
Gene No.	39011	Strand	-
Start	10472	End	17290
Name	OJ990426_24.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	16076	End	16619
GI	none	Score	39
Exons	16076..16441, 16096..16119, 16152..16442, 16460..16615, 16494..16619		

Seq. No.	18574	Seq. ID	OJ990426_24.9924.C2
Gene No.	39012	Strand	+
Start	7271	End	10586
Name	OJ990426_24.9924.C2.o2.gp	Method	AAT/GAP
Start	7270	End	8773
GI	5002875	Score	748
Exons	7270..7348, 8469..8773		

Seq. No.	18574	Seq. ID	OJ990426_24.9924.C2
Gene No.	39012	Strand	+
Start	7271	End	10586
Name	OJ990426_24.9924.C2.o3.gs	Method	GENSCAN
Start	7271	End	10586
GI	none	Score	.97
Exons	7271..7348, 8469..10457, 10532..10586		

Seq. No.	18574	Seq. ID	OJ990426_24.9924.C2
Gene No.	39012	Strand	+
Start	7271	End	10586
Name	OJ990426_24.9924.C2.o1.np	Method	AAT/NAP
Start	8503	End	8603
GI	2384719	Score	34
Exons	8503..8603		
GI Descrip.	(AF015309) nucleolar protein [Mus musculus]		

Seq. No.	18574	Seq. ID	OJ990426_24.9924.C2
Gene No.	39013	Strand	-
Start	79	End	3106
Name	OJ990426_24.9924.C2.o1.gs	Method	GENSCAN
Start	79	End	3106
GI	none	Score	.82
Exons	79..207, 742..852, 931..1099, 2518..2636, 2743..2921, 3021..3106		

Seq. No.	18574	Seq. ID	OJ990426_24.9924.C2
Gene No.	39014	Strand	-
Start	3843	End	6798
Name	OJ990426_24.9924.C2.o2.gs	Method	GENSCAN
Start	3843	End	6798

GI	none	Score	.44
Exons	3843..3846, 4168..4266, 4595..4821, 4966..5008, 5109..5207, 5296..5358, 5591..5688, 6405..6473, 6739..6798		
Seq. No.	18574	Seq. ID	OJ990426_24.9924.C2
Gene No.	39014	Strand	-
Start	3843	End	6798
Name	OJ990426_24.9924.C2.o1.gp	Method	AAT/GAP
Start	4016	End	5327
GI	none	Score	1391
Exons	4016..4266, 4573..4885, 4966..5033, 5109..5207, 5296..5327		
Seq. No.	18574	Seq. ID	OJ990426_24.9924.C2
Gene No.	39015	Strand	
Start	7291	End	8753
Name	OJ990426_24.9924.C2.o2.tm	Method	TBLASTX:Maize
Start	7291	End	8753
GI	none	Score	77
Exons	7291..7347, 7295..7348, 8420..8647, 8467..8637, 8472..8648, 8648..8752, 8649..8753, 8649..8753		
Seq. No.	18574	Seq. ID	OJ990426_24.9924.C2
Gene No.	39016	Strand	
Start	9294	End	10134
Name	OJ990426_24.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	9294	End	10134
GI	none	Score	132
Exons	9294..9449, 9295..9450, 9296..9451, 9297..9452, 9489..9575, 9492..9599, 9511..9603, 9609..9926, 9610..9918, 9617..9919, 9973..10134, 9992..10048, 10045..10134		
Seq. No.	18575	Seq. ID	OJ990426_24.9924.C4
Gene No.	39017	Strand	-
Start	197	End	309
Name	OJ990426_24.9924.C4.o1.gs	Method	GENSCAN
Start	197	End	309
GI	none	Score	.89
Exons	197..309		
Seq. No.	18576	Seq. ID	OJ990426_24.9924.C5
Gene No.	39018	Strand	-
Start	1	End	58
Name	OJ990426_24.9924.C5.o1.gp	Method	AAT/GAP
Start	1	End	58
GI	25300_1.R1084	Score	97
Exons	1..58		
GI Descrip.	'2435519 1.0e-123 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]'		
Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39019	Strand	+
Start	29	End	12787
Name	OJ990426_24.9924.C6.o1.gs	Method	GENSCAN
Start	29	End	12787
GI	none	Score	.46
Exons	29..90, 129..408, 1523..1574, 1907..2101, 2222..2322,		

2516..2638, 3346..3418, 3500..3620, 4259..4378, 4985..5055, 5965..6104, 8404..8477, 10792..10952, 12696..12787

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39019	Strand	+
Start	29	End	12787
Name	OJ990426_24.9924.C6.o1.np	Method	AAT/NAP
Start	1913	End	5321
GI	4678948	Score	609
Exons	1913..2118, 2242..2316, 2497..2638, 2777..2868, 3150..3249, 3346..3418, 3500..3620, 4259..4378, 4985..5055, 5130..5321		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39020	Strand	+
Start	15557	End	17674
Name	OJ990426_24.9924.C6.o2.gp	Method	AAT/GAP
Start	15500	End	16009
GI	4715379	Score	955
Exons	15500..16009		
GI Descrip.	4063746 1.0e-36 (AC005851) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39020	Strand	+
Start	15557	End	17674
Name	OJ990426_24.9924.C6.o2.gs	Method	GENSCAN
Start	15557	End	17443
GI	none	Score	1
Exons	15557..17443		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39020	Strand	+
Start	15557	End	17674
Name	OJ990426_24.9924.C6.o2.np	Method	AAT/NAP
Start	15601	End	17443
GI	3402684	Score	1678
Exons	15601..16216, 16256..17443		
GI Descrip.	(AC004697) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39020	Strand	+
Start	15557	End	17674
Name	OJ990426_24.9924.C6.o3.gp	Method	AAT/GAP
Start	17013	End	17674
GI	33713_1.R1084	Score	1249
Exons	17013..17674		
GI Descrip.	'4063746 1.0e-36 (AC005851) nodulin-like protein [Arabidopsis thaliana]'		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39021	Strand	+
Start	19441	End	24669
Name	OJ990426_24.9924.C6.o3.gs	Method	GENSCAN
Start	19441	End	24663
GI	none	Score	.84
Exons	19441..19749, 19855..19946, 20802..20898, 21426..21497,		

21746..21886, 22444..22539, 22961..23245, 23533..23692, 23788..23930, 24529..24663

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39021	Strand	+
Start	19441	End	24669
Name	OJ990426_24.9924.C6.o3.np	Method	AAT/NAP
Start	19444	End	24669
GI	4204304	Score	1245
Exons	19444..19749, 19855..19946, 20802..20898, 21426..21497, 21591..21653, 21746..21886, 22444..22539, 22961..23245, 23533..23692, 23794..23930, 24529..24669		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39021	Strand	+
Start	19441	End	24669
Name	OJ990426_24.9924.C6.o4.gp	Method	AAT/GAP
Start	23148	End	24669
GI	20200_1.R1084	Score	1009
Exons	23148..23245, 23533..23692, 23788..23930, 24529..24669		
GI Descrip.	'4204304 4.0e-34 (AC003027) lcl_prt_seq No definition line found [Arabidopsis thaliana]'		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39022	Strand	-
Start	5127	End	5522
Name	OJ990426_24.9924.C6.o3.tc	Method	TBLASTX:Cress
Start	2243	End	3204
GI	none	Score	83
Exons	2243..2317, 2477..2656, 2776..2874, 2777..2863, 3144..3203, 3148..3204		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39022	Strand	-
Start	5127	End	5522
Name	OJ990426_24.9924.C6.o5.tm	Method	TBLASTX:Maize
Start	2542	End	4298
GI	none	Score	129
Exons	2542..2640, 2546..2638, 2551..2658, 2772..2849, 2774..2866, 2774..2866, 2776..2874, 2776..2874, 3147..3251, 3147..3281, 3148..3279, 3344..3412, 3345..3419, 3345..3419, 3346..3420, 3483..3626, 3486..3626, 3499..3627, 3527..3631, 4248..4298		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39022	Strand	-
Start	5127	End	5522
Name	OJ990426_24.9924.C6.o1.gp	Method	AAT/GAP
Start	5127	End	5522
GI	uC-osflcyp134f10a1	Score	742
Exons	5127..5522		
GI Descrip.	'4063746 1.0e-36 (AC005851) nodulin-like protein [Arabidopsis thaliana]'		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39023	Strand	

Start	15626	End	16210
Name	OJ990426_24.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	15626	End	16099
GI	none	Score	671
Exons	15626..16099, 15643..16092, 15731..16093		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39023	Strand	
Start	15626	End	16210
Name	OJ990426_24.9924.C6.o4.ts	Method	TBLASTX:Soybean
Start	15644	End	15826
GI	none	Score	233
Exons	15644..15826, 15646..15825		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39023	Strand	
Start	15626	End	16210
Name	OJ990426_24.9924.C6.o2.tc	Method	TBLASTX:Cress
Start	15659	End	16123
GI	none	Score	397
Exons	15659..16123, 15772..15828, 15922..16095		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39023	Strand	
Start	15626	End	16210
Name	OJ990426_24.9924.C6.o2.ts	Method	TBLASTX:Soybean
Start	15826	End	16210
GI	none	Score	466
Exons	15826..15861, 15827..16210, 15851..15904, 15928..16209		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39024	Strand	
Start	16435	End	17299
Name	OJ990426_24.9924.C6.o4.tm	Method	TBLASTX:Maize
Start	16435	End	16888
GI	none	Score	406
Exons	16435..16488, 16608..16703, 16616..16888, 16627..16881		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39024	Strand	
Start	16435	End	17299
Name	OJ990426_24.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	16639	End	17299
GI	none	Score	146
Exons	16639..16782, 16640..16798, 16793..17179, 16801..17067, 17189..17299		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39024	Strand	
Start	16435	End	17299
Name	OJ990426_24.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	16735	End	17125
GI	none	Score	518
Exons	16735..17088, 16739..17125		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39024	Strand	

Start	16435	End	17299
Name	OJ990426_24.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	16907	End	17293
GI	none	Score	457
Exons	16907..17194, 16909..17196, 17149..17250, 17159..17251, 17254..17289, 17255..17293		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39025	Strand	
Start	21751	End	23643
Name	OJ990426_24.9924.C6.o3.tm	Method	TBLASTX:Maize
Start	21751	End	23643
GI	none	Score	205
Exons	21751..21885, 21752..21886, 21752..21886, 21753..21887, 22441..22554, 22442..22540, 22958..23251, 22958..23251, 22959..23252, 22960..23265, 23062..23253, 23513..23641, 23519..23623, 23530..23643, 23530..23643		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39025	Strand	
Start	21751	End	23643
Name	OJ990426_24.9924.C6.o3.ts	Method	TBLASTX:Soybean
Start	22958	End	23152
GI	none	Score	235
Exons	22958..23152, 22958..23134, 22960..23145		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39025	Strand	
Start	21751	End	23643
Name	OJ990426_24.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	23083	End	23572
GI	none	Score	230
Exons	23083..23244, 23084..23251, 23085..23252, 23525..23572		

Seq. No.	18577	Seq. ID	OJ990426_24.9924.C6
Gene No.	39026	Strand	
Start	23784	End	24661
Name	OJ990426_24.9924.C6.o6.tm	Method	TBLASTX:Maize
Start	23784	End	24661
GI	none	Score	214
Exons	23784..23930, 23787..23930, 23788..23931, 24563..24661		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39027	Strand	+
Start	198	End	677
Name	OJ990426_24.9924.C7.o1.np	Method	AAT/NAP
Start	198	End	674
GI	4204304	Score	657
Exons	198..473, 558..674		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39027	Strand	+
Start	198	End	677
Name	OJ990426_24.9924.C7.o1.gs	Method	GENSCAN
Start	207	End	677

GI	none	Score	1
Exons	207..473, 558..677		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39028	Strand	+
Start	1745	End	2069
Name	OJ990426_24.9924.C7.o1.gp	Method	AAT/GAP
Start	1745	End	2069
GI	3106703	Score	612
Exons	1745..2069		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39029	Strand	+
Start	12192	End	12924
Name	OJ990426_24.9924.C7.o3.gs	Method	GENSCAN
Start	12192	End	12924
GI	none	Score	.69
Exons	12192..12286, 12519..12924		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39030	Strand	+
Start	14538	End	15867
Name	OJ990426_24.9924.C7.o4.gs	Method	GENSCAN
Start	14538	End	15867
GI	none	Score	.41
Exons	14538..14701, 15060..15225, 15766..15867		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39031	Strand	-
Start	1952	End	10638
Name	OJ990426_24.9924.C7.o2.gs	Method	GENSCAN
Start	1952	End	10638
GI	none	Score	.85
Exons	1952..2136, 2407..2487, 2971..3002, 3097..3191, 3288..3361, 3464..3599, 3695..3758, 3838..3900, 3981..4120, 4308..4448, 5015..5134, 5401..5472, 5557..5664, 5919..5972, 6792..6901, 6992..7125, 7217..7366, 7455..7660, 9844..9897, 9943..10638		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39031	Strand	-
Start	1952	End	10638
Name	OJ990426_24.9924.C7.o2.np	Method	AAT/NAP
Start	1955	End	10638
GI	4510428	Score	2081
Exons	1955..2136, 2971..3002, 3097..3191, 3288..3361, 3464..3599, 3695..3758, 3838..3932, 4010..4120, 4308..4448, 4568..4689, 4768..4815, 4843..4933, 5015..5134, 5401..5472, 5557..5664, 5857..5972, 6051..6189, 6614..6720, 6792..6901, 6992..7125, 7217..7366, 7455..7660, 9943..10070, 10223..10638		
GI Descrip.	(AC006929) Argonaute (AGO1)-like protein [Arabidopsis thaliana]		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39032	Strand	-
Start	16189	End	17612
Name	OJ990426_24.9924.C7.o5.gs	Method	GENSCAN
Start	16189	End	17511
GI	none	Score	.97

Exons	16189..17511		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39032	Strand	-
Start	16189	End	17612
Name	OJ990426_24.9924.C7.o2.gp	Method	AAT/GAP
Start	17078	End	17612
GI	none	Score	1026
Exons	17078..17612		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39033	Strand	-
Start	18632	End	21057
Name	OJ990426_24.9924.C7.o3.np	Method	AAT/NAP
Start	18632	End	21057
GI	3184280	Score	708
Exons	18632..19046, 20806..21057		
GI Descrip.	(AC004136) putative transport protein [Arabidopsis thaliana]		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39034	Strand	-
Start	21095	End	21511
Name	OJ990426_24.9924.C7.o3.gp	Method	AAT/GAP
Start	21095	End	21511
GI	2428002	Score	754
Exons	21095..21511		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39035	Strand	-
Start	21864	End	23991
Name	OJ990426_24.9924.C7.o4.gp	Method	AAT/GAP
Start	21864	End	23991
GI	57441_1.R1084	Score	1309
Exons	21864..22202, 23524..23646, 23750..23991		
GI Descrip.	'2129752/pir||S58123 5.0e-28 thioredoxin - Arabidopsis thaliana >gi_992964_emb_CAA84612_ (Z35475) thioredoxin [Arabidopsis thaliana]'		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39035	Strand	-
Start	21864	End	23991
Name	OJ990426_24.9924.C7.o7.gs	Method	GENSCAN
Start	22059	End	23887
GI	none	Score	.87
Exons	22059..22202, 23524..23646, 23750..23887		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39035	Strand	-
Start	21864	End	23991
Name	OJ990426_24.9924.C7.o4.np	Method	AAT/NAP
Start	22074	End	23899
GI	2129752	Score	248
Exons	22074..22202, 23524..23646, 23750..23899		
GI Descrip.	thioredoxin - Arabidopsis thaliana gi|992964|emb|CAA84612| (Z35475) thioredoxin [Arabidopsis thaliana]		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7

Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	200	End	656
GI	none	Score	525
Exons	200..481, 201..473, 558..656, 560..634		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o3.tm	Method	TBLASTX:Maize
Start	206	End	443
GI	none	Score	203
Exons	206..397, 209..442, 210..443		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o7.tm	Method	TBLASTX:Maize
Start	444	End	704
GI	none	Score	60
Exons	444..473, 449..481, 557..637, 558..704, 559..681		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o6.tm	Method	TBLASTX:Maize
Start	1935	End	6720
GI	none	Score	63
Exons	1935..2054, 1943..2020, 2081..2137, 2094..2138, 3981..4001, 3990..4121, 4010..4129, 5395..5475, 5396..5494, 5555..5623, 5560..5667, 5845..5886, 5883..5978, 5884..5973, 6043..6105, 6048..6188, 6133..6189, 6610..6720		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o1.tc	Method	TBLASTX:Cress
Start	1946	End	10069
GI	none	Score	102
Exons	1946..2008, 2081..2137, 2972..3004, 3094..3195, 3096..3206, 3288..3362, 3288..3362, 3292..3363, 3462..3602, 3513..3605, 3523..3606, 3523..3603, 3693..3764, 3695..3772, 3702..3761, 3837..3902, 3838..3900, 3978..4121, 3989..4120, 4305..4400, 4306..4443, 4407..4451, 4565..4690, 4566..4670, 4773..4802, 4796..4933, 5015..5056, 5057..5137, 5395..5472, 5395..5472, 5560..5667, 5561..5638, 5881..5973, 5883..5978, 6043..6102, 6048..6188, 6130..6198, 6610..6720, 6789..6911, 6796..6903, 6984..7124, 6985..7050, 7214..7369, 7222..7368, 7458..7574, 7472..7660, 7497..7577, 9937..10068, 9938..10069		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	1946	End	4395
GI	none	Score	45

Exons	1946..2008, 1956..2012, 2057..2131, 2058..2126, 2081..2137, 2972..3004, 3073..3195, 3094..3192, 3096..3206, 3286..3342, 3288..3362, 3289..3363, 3462..3602, 3465..3605, 3523..3603, 3695..3772, 3696..3761, 3837..3926, 3981..4121, 4004..4120, 4305..4394, 4306..4395		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	2972	End	3916
GI	none	Score	40
Exons	2972..3004, 2973..3005, 3070..3195, 3096..3206, 3097..3195, 3288..3362, 3288..3362, 3292..3363, 3462..3605, 3462..3602, 3463..3630, 3685..3753, 3693..3752, 3695..3772, 3696..3761, 3834..3893, 3837..3899, 3839..3916		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	4305	End	4691
GI	none	Score	88
Exons	4305..4400, 4309..4443, 4407..4451, 4565..4690, 4566..4691		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	4318	End	5119
GI	none	Score	188
Exons	4318..4449, 4320..4472, 4320..4451, 4352..4459, 4562..4687, 4565..4690, 4566..4691, 4743..4808, 4766..4813, 4766..4855, 4790..4927, 4818..4928, 4850..4930, 5012..5119, 5013..5117, 5015..5119		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o5.ts	Method	TBLASTX:Soybean
Start	4407	End	5667
GI	none	Score	120
Exons	4407..4451, 4565..4690, 4566..4691, 4772..4813, 4865..4933, 5015..5056, 5057..5137, 5395..5472, 5396..5494, 5560..5667, 5561..5665		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o4.ts	Method	TBLASTX:Soybean
Start	5856	End	7124
GI	none	Score	81
Exons	5856..5978, 5884..5973, 6043..6102, 6048..6188, 6130..6198, 6610..6720, 6787..6903, 6789..6911, 6984..7124, 6985..7050		
Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-

Start	24544	End	26643
Name	OJ990426_24.9924.C7.o4.tm	Method	TBLASTX:Maize
Start	6813	End	10074
GI	none	Score	75
Exons	6813..6911, 6981..7097, 6984..7124, 7214..7333, 7216..7368, 7472..7570, 7494..7571, 9937..10074		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o3.ts	Method	TBLASTX:Soybean
Start	7214	End	7661
GI	none	Score	87
Exons	7214..7369, 7222..7368, 7469..7660, 7497..7661		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o2.tw	Method	TBLASTX:Wheat
Start	16956	End	23869
GI	none	Score	82
Exons	16956..17057, 23524..23601, 23524..23655, 23528..23647, 23747..23869		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o5.tm	Method	TBLASTX:Maize
Start	22060	End	23908
GI	none	Score	159
Exons	22060..22203, 22062..22208, 22063..22203, 23524..23643, 23524..23655, 23528..23647, 23727..23891, 23747..23908		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o5.gp	Method	AAT/GAP
Start	24544	End	26275
GI	31068_1.R1084	Score	1240
Exons	24544..25069, 26145..26275		
GI Descrip.	'5453694/ref|NP_006328.1|pICP22BP| 4.0e-14 cell cycle-regulated factor (78 kDa) >gi_3201964 (AF068007) cell cycle-regulated factor p78 [Homo sapiens]'		

Seq. No.	18578	Seq. ID	OJ990426_24.9924.C7
Gene No.	39036	Strand	-
Start	24544	End	26643
Name	OJ990426_24.9924.C7.o8.gs	Method	GENSCAN
Start	24906	End	26643
GI	none	Score	.52
Exons	24906..25069, 26637..26643		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39037	Strand	+
Start	5440	End	8841
Name	OJ990426_24.9924.C8.o2.gs	Method	GENSCAN
Start	5440	End	8841

GI	none	Score	.9
Exons	5440..5536, 6435..6483, 7486..7531, 7879..8031, 8453..8508, 8748..8841		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39038	Strand	+
Start	19570	End	19794
Name	OJ990426_24.9924.C8.o2.gp	Method	AAT/GAP
Start	19570	End	19794
GI	43117_2.R1084	Score	320
Exons	19570..19794		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-24 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39039	Strand	-
Start	1245	End	1323
Name	OJ990426_24.9924.C8.o1.gp	Method	AAT/GAP
Start	1245	End	1323
GI	90742_1.R1084	Score	95
Exons	1245..1323		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39040	Strand	-
Start	9851	End	12819
Name	OJ990426_24.9924.C8.o1.np	Method	AAT/NAP
Start	9844	End	12819
GI	6358814	Score	819
Exons	9844..10473, 10501..10661, 10703..11041, 12766..12819		
GI Descrip.	(AC010675) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39040	Strand	-
Start	9851	End	12819
Name	OJ990426_24.9924.C8.o3.gs	Method	GENSCAN
Start	9851	End	11158
GI	none	Score	1
Exons	9851..11158		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o4.tm	Method	TBLASTX:Maize
Start	3068	End	3403
GI	none	Score	63
Exons	3068..3154, 3102..3155, 3187..3393, 3188..3382, 3188..3403		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	3707	End	3994
GI	none	Score	144
Exons	3707..3994, 3716..3937, 3729..3989		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o2.tm	Method	TBLASTX:Maize
Start	9887	End	10837
GI	none	Score	133
Exons	9887..9979, 10028..10243, 10029..10247, 10291..10380, 10292..10393, 10298..10396, 10508..10567, 10512..10568, 10583..10651, 10733..10837, 10758..10835		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o2.tc	Method	TBLASTX:Cress
Start	9890	End	10837
GI	none	Score	63
Exons	9890..9988, 10010..10243, 10295..10459, 10508..10651, 10521..10646, 10739..10837		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o3.ts	Method	TBLASTX:Soybean
Start	9890	End	10247
GI	none	Score	102
Exons	9890..10006, 10028..10243, 10029..10247		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o2.tw	Method	TBLASTX:Wheat
Start	10103	End	10558
GI	none	Score	68
Exons	10103..10243, 10158..10244, 10262..10450, 10280..10378, 10511..10558		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o2.ts	Method	TBLASTX:Soybean
Start	10310	End	10837
GI	none	Score	111
Exons	10310..10459, 10311..10445, 10496..10654, 10497..10655, 10733..10837, 10758..10835		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o5.gs	Method	GENSCAN
Start	15071	End	17966
GI	none	Score	.82
Exons	15071..15093, 15665..15920, 16341..17159, 17297..17536, 17952..17966		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966

Name	OJ990426_24.9924.C8.o2.np	Method	AAT/NAP
Start	15650	End	17090
GI	5080804	Score	768
Exons	15650..15923, 16441..16601, 16629..17090		
GI Descrip.	(AC007258) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	15666	End	17129
GI	none	Score	122
Exons	15666..15848, 15670..15849, 15858..15926, 15888..15935, 16635..16826, 16675..16827, 16836..17129, 16837..16896, 16948..17091		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o3.tm	Method	TBLASTX:Maize
Start	15666	End	15899
GI	none	Score	250
Exons	15666..15899, 15667..15849, 15669..15899		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o3.tc	Method	TBLASTX:Cress
Start	15669	End	15938
GI	none	Score	144
Exons	15669..15848, 15682..15846, 15888..15938		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	16626	End	17100
GI	none	Score	207
Exons	16626..17099, 16627..16896, 16930..17100		

Seq. No.	18579	Seq. ID	OJ990426_24.9924.C8
Gene No.	39041	Strand	-
Start	15071	End	17966
Name	OJ990426_24.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	16656	End	17090
GI	none	Score	106
Exons	16656..16817, 16690..16818, 16836..17090		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39042	Strand	+
Start	1365	End	4876
Name	OJ990426_24.9924.C9.o1.gp	Method	AAT/GAP
Start	1276	End	1787
GI	uC-osf1M202052c07b1	Score	1011
Exons	1276..1787		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39042	Strand	+
Start	1365	End	4876
Name	OJ990426_24.9924.C9.o2.gs	Method	GENSCAN
Start	1365	End	3293
GI	none	Score	.58
Exons	1365..2083, 2127..2233, 2911..3293		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39042	Strand	+
Start	1365	End	4876
Name	OJ990426_24.9924.C9.o1.np	Method	AAT/NAP
Start	1386	End	4876
GI	4234852	Score	2252
Exons	1386..1562, 1596..4876		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39042	Strand	+
Start	1365	End	4876
Name	OJ990426_24.9924.C9.o2.gp	Method	AAT/GAP
Start	2019	End	2592
GI	uC-osflcyp006a10b1	Score	858
Exons	2019..2233, 2341..2592		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39043	Strand	+
Start	5047	End	5438
Name	OJ990426_24.9924.C9.o3.gp	Method	AAT/GAP
Start	5047	End	5438
GI	43117_2.R1084	Score	628
Exons	5047..5438		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-24 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39044	Strand	+
Start	14108	End	16584
Name	OJ990426_24.9924.C9.o4.gs	Method	GENSCAN
Start	14108	End	16584
GI	none	Score	.85
Exons	14108..14175, 15183..15346, 15585..15720, 15825..16000, 16091..16584		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39045	Strand	-
Start	81	End	204
Name	OJ990426_24.9924.C9.o1.gs	Method	GENSCAN
Start	81	End	204
GI	none	Score	.99
Exons	81..204		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39046	Strand	-
Start	4120	End	12744
Name	OJ990426_24.9924.C9.o3.gs	Method	GENSCAN

Start	4120	End	12744
GI	none	Score	.84
Exons	4120..4131, 4476..4567, 4824..5417, 5839..6019, 6110..6522, 6958..7087, 7177..7345, 7805..7875, 7984..8197, 8312..8804, 9141..9252, 9334..9388, 9476..9558, 10705..10844, 10972..11105, 11302..11392, 11488..11631, 11711..11841, 12302..12337, 12414..12474, 12499..12538, 12598..12744		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39046	Strand	-
Start	4120	End	12744
Name	OJ990426_24.9924.C9.o2.np	Method	AAT/NAP
Start	5068	End	12707
GI	4567275	Score	1078
Exons	5068..5133, 5839..5990, 6102..6522, 6958..7099, 7189..7349, 7809..7875, 7984..8197, 8312..8570, 8607..8837, 9096..9252, 9334..9388, 9476..9558, 9652..9702, 10705..10844, 10972..11107, 11349..11841, 12302..12331, 12407..12474, 12598..12707		
GI Descrip.	(AC006841) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39046	Strand	-
Start	4120	End	12744
Name	OJ990426_24.9924.C9.o4.gp	Method	AAT/GAP
Start	5556	End	6321
GI	3760772	Score	1264
Exons	5556..6019, 6110..6321		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o2.tm	Method	TBLASTX:Maize
Start	1479	End	2396
GI	none	Score	479
Exons	1479..2057, 1601..2047, 1803..2081, 2140..2232, 2337..2396		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	3364	End	3778
GI	5509260	Score	317
Exons	3364..3717, 3365..3778		
GI Descrip.	-		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o7.tm	Method	TBLASTX:Maize
Start	3364	End	3664
GI	none	Score	250
Exons	3364..3663, 3365..3664		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o2.tc	Method	TBLASTX:Cress

Start	3443	End	3703
GI	none	Score	241
Exons	3443..3703, 3445..3681		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	3484	End	4269
GI	none	Score	297
Exons	3484..3774, 3485..3778, 3637..3786, 3774..3857, 3864..4016, 4062..4172, 4171..4269		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o2.tw	Method	TBLASTX:Wheat
Start	4429	End	4825
GI	none	Score	132
Exons	4429..4602, 4461..4601, 4610..4825, 4708..4824		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o9.tm	Method	TBLASTX:Maize
Start	5771	End	6010
GI	none	Score	43
Exons	5771..5794, 5816..5887, 5821..6009, 5822..6010, 5823..5918, 5824..6006		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o4.tm	Method	TBLASTX:Maize
Start	6951	End	8190
GI	none	Score	170
Exons	6951..7076, 6953..7066, 6978..7088, 7061..7096, 7174..7344, 7175..7345, 7175..7345, 7800..7877, 7804..7878, 7805..7894, 7983..8189, 7984..8187, 8071..8190		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o6.tm	Method	TBLASTX:Maize
Start	8356	End	8805
GI	none	Score	143
Exons	8356..8523, 8357..8524, 8361..8528, 8363..8524, 8509..8532, 8556..8765, 8596..8775, 8597..8701, 8692..8805		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o4.tc	Method	TBLASTX:Cress
Start	9151	End	9705
GI	none	Score	64
Exons	9151..9252, 9152..9253, 9319..9381, 9475..9561, 9652..9705		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o8.tm	Method	TBLASTX:Maize
Start	9499	End	10848
GI	none	Score	68
Exons	9499..9558, 9502..9558, 9652..9705, 9653..9703, 10676..10846, 10699..10845, 10704..10847, 10705..10848		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o5.tm	Method	TBLASTX:Maize
Start	15659	End	16203
GI	none	Score	102
Exons	15659..15721, 15661..15726, 15661..15720, 15819..15944, 15823..15945, 15945..16001, 15946..16002, 15949..16002, 16081..16119, 16089..16118, 16113..16202, 16114..16203, 16118..16201, 16119..16202		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o3.ts	Method	TBLASTX:Soybean
Start	16108	End	16355
GI	none	Score	259
Exons	16108..16344, 16236..16355		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o3.tm	Method	TBLASTX:Maize
Start	16203	End	16561
GI	none	Score	470
Exons	16203..16553, 16204..16560, 16205..16561		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o3.tc	Method	TBLASTX:Cress
Start	16227	End	16458
GI	none	Score	217
Exons	16227..16427, 16228..16458		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o5.gs	Method	GENSCAN
Start	17300	End	19375
GI	none	Score	.82
Exons	17300..17337, 17890..18059, 18638..18741, 19156..19236, 19307..19375		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o5.gp	Method	AAT/GAP

Start	17407	End	18706
GI	4175_1.R1084	Score	1453
Exons	17407..18059, 18142..18255, 18638..18706		
GI Descrip.	'2435519 4.0e-37 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]'		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	17570	End	19378
GI	none	Score	43
Exons	17570..17593, 17586..17633, 17630..17734, 17633..17734, 17740..17775, 17844..18062, 17849..18070, 18139..18258, 18141..18257, 18637..18741, 18638..18754, 18638..18742, 18844..18969, 18862..18969, 18863..18970, 19149..19241, 19154..19237, 19159..19239, 19306..19377, 19307..19378, 19308..19376		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	17844	End	19236
GI	none	Score	62
Exons	17844..17897, 17891..18013, 17943..18062, 17948..18079, 18056..18100, 18124..18183, 18141..18182, 18171..18257, 18178..18273, 18637..18741, 18638..18742, 18844..18975, 18862..18969, 19156..19230, 19159..19236		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	17849	End	18918
GI	none	Score	191
Exons	17849..18070, 17865..18062, 18129..18257, 18139..18258, 18141..18257, 18603..18737, 18628..18741, 18637..18741, 18638..18742, 18844..18918		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o3.np	Method	AAT/NAP
Start	17852	End	19527
GI	6721117	Score	747
Exons	17852..18059, 18142..18255, 18638..18741, 18862..18969, 19156..19240, 19299..19527		
GI Descrip.	(AC007396) T4O12.8 [Arabidopsis thaliana]		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o6.gp	Method	AAT/GAP
Start	18884	End	19386
GI	25300_1.R1084	Score	404

Exons	18884..18969, 19156..19236, 19307..19386		
GI Descrip.	'2435519 1.0e-123 (AF024504) similar to mouse MEM3 (GB:U47024 and S. cerevisiae vacuolar sorting protein 35 (SW;P34110) [Arabidopsis thaliana]'		

Seq. No.	18580	Seq. ID	OJ990426_24.9924.C9
Gene No.	39047	Strand	-
Start	17300	End	19527
Name	OJ990426_24.9924.C9.o4.ts	Method	TBLASTX:Soybean
Start	18919	End	19378
GI	none	Score	107
Exons	18919..18969, 19151..19207, 19154..19237, 19156..19239, 19156..19239, 19306..19371, 19307..19378, 19308..19373		

Seq. No.	18581	Seq. ID	OJ990426_20.9924.C1
Gene No.	39048	Strand	-
Start	1	End	721
Name	OJ990426_20.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	721
GI	2126090	Score	1269
Exons	1..721		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	18581	Seq. ID	OJ990426_20.9924.C1
Gene No.	39048	Strand	-
Start	1	End	721
Name	OJ990426_20.9924.C1.o1.gs	Method	GENSCAN
Start	176	End	721
GI	none	Score	.52
Exons	176..721		

Seq. No.	18581	Seq. ID	OJ990426_20.9924.C1
Gene No.	39049	Strand	
Start	681	End	831
Name	OJ990426_20.9924.C1.o1.tc	Method	TBLASTX:Cress
Start	681	End	831
GI	none	Score	221
Exons	681..830, 681..827, 682..831, 682..828		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39050	Strand	+
Start	4969	End	6214
Name	OJ990426_20.9924.C2.o1.np	Method	AAT/NAP
Start	4969	End	6214
GI	6721543	Score	113
Exons	4969..5097, 5803..5878, 6197..6214		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39050	Strand	+
Start	4969	End	6214
Name	OJ990426_20.9924.C2.o1.gp	Method	AAT/GAP

Start	4983	End	5436
GI	7406_1.R1084	Score	556
Exons	4983..5282, 5347..5436		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39051	Strand	-
Start	4780	End	10760
Name	OJ990426_20.9924.C2.o2.gs	Method	GENSCAN
Start	4780	End	10045
GI	none	Score	.66
Exons	4780..5061, 5656..5822, 5973..6175, 6180..6227, 6291..6422, 6669..6766, 6793..6918, 7011..7269, 7346..7644, 7735..8145, 8230..8566, 8672..8822, 9208..10045		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39051	Strand	-
Start	4780	End	10760
Name	OJ990426_20.9924.C2.o2.gp	Method	AAT/GAP
Start	5384	End	5837
GI	LIB3431-045-P1-N1-A10	Score	840
Exons	5384..5837		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39051	Strand	-
Start	4780	End	10760
Name	OJ990426_20.9924.C2.o2.np	Method	AAT/NAP
Start	5941	End	9642
GI	5441880	Score	2499
Exons	5941..6175, 6291..6422, 6669..6766, 7011..7269, 7346..7644, 8230..8566, 8672..8823, 9572..9642		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39051	Strand	-
Start	4780	End	10760
Name	OJ990426_20.9924.C2.o3.gp	Method	AAT/GAP
Start	7019	End	7518
GI	LIB3475-007-P1-K1-G8	Score	809
Exons	7019..7269, 7346..7518		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39051	Strand	-
Start	4780	End	10760
Name	OJ990426_20.9924.C2.o3.np	Method	AAT/NAP
Start	9605	End	10760
GI	6721543	Score	174
Exons	9605..9721, 10631..10760		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39051	Strand	-
Start	4780	End	10760
Name	OJ990426_20.9924.C2.o4.gp	Method	AAT/GAP
Start	10502	End	10653
GI	7406_1.R1084	Score	221
Exons	10502..10653		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39052	Strand	-
Start	12693	End	15282
Name	OJ990426_20.9924.C2.o3.gs	Method	GENSCAN
Start	12693	End	13427
GI	none	Score	.97
Exons	12693..13427		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39052	Strand	-
Start	12693	End	15282
Name	OJ990426_20.9924.C2.o4.np	Method	AAT/NAP
Start	12729	End	15146
GI	4218008	Score	98
Exons	12729..13063, 13349..13382, 15114..15146		
GI Descrip.	(AC006135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18582	Seq. ID	OJ990426_20.9924.C2
Gene No.	39052	Strand	-
Start	12693	End	15282
Name	OJ990426_20.9924.C2.o4.gs	Method	GENSCAN
Start	14798	End	15282
GI	none	Score	.89
Exons	14798..14910, 15261..15282		

Seq. No.	18583	Seq. ID	OJ990426_20.9924.C3
Gene No.	39053	Strand	+
Start	411	End	752
Name	OJ990426_20.9924.C3.o1.gs	Method	GENSCAN
Start	411	End	752
GI	none	Score	.74
Exons	411..450, 655..752		

Seq. No.	18583	Seq. ID	OJ990426_20.9924.C3
Gene No.	39054	Strand	-
Start	2555	End	4307
Name	OJ990426_20.9924.C3.o2.gs	Method	GENSCAN
Start	2555	End	4307
GI	none	Score	.51
Exons	2555..2809, 2861..2972, 2977..3267, 3354..3720, 3972..4045, 4267..4307		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39055	Strand	+
Start	539	End	832
Name	OJ990426_20.9924.C6.o1.gs	Method	GENSCAN

Start	539	End	832
GI	none	Score	.44
Exons	539..832		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39056	Strand	+
Start	5709	End	9525
Name	OJ990426_20.9924.C6.o2.gp	Method	AAT/GAP
Start	5646	End	7933
GI	428023	Score	560
Exons	5646..5820, 7803..7933		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39056	Strand	+
Start	5709	End	9525
Name	OJ990426_20.9924.C6.o3.gs	Method	GENSCAN
Start	5709	End	9525
GI	none	Score	.47
Exons	5709..5820, 7803..8447, 9350..9525		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39056	Strand	+
Start	5709	End	9525
Name	OJ990426_20.9924.C6.o3.gp	Method	AAT/GAP
Start	8245	End	8819
GI	3767722	Score	844
Exons	8245..8819		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39057	Strand	+
Start	10487	End	14789
Name	OJ990426_20.9924.C6.o2.np	Method	AAT/NAP
Start	10487	End	14263
GI	6016874	Score	217
Exons	10487..10535, 12613..12960, 14213..14263		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39057	Strand	+
Start	10487	End	14789
Name	OJ990426_20.9924.C6.o5.gp	Method	AAT/GAP
Start	14041	End	14789
GI	18632_1.R1084	Score	604
Exons	14041..14261, 14643..14789		
GI Descrip.	'169818/gb|M11585|RICRGHA 5.0e-38 Rice 25S ribosomal RNA gene'		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39058	Strand	+
Start	14975	End	15415
Name	OJ990426_20.9924.C6.o6.gp	Method	AAT/GAP
Start	14975	End	15415
GI	none	Score	714
Exons	14975..15415		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6

Gene No.	39059	Strand	+
Start	16488	End	18508
Name	OJ990426_20.9924.C6.o3.np	Method	AAT/NAP
Start	16488	End	18508
GI	6498436	Score	59
Exons	16488..16531, 18256..18508		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39060	Strand	-
Start	2966	End	10686
Name	OJ990426_20.9924.C6.o1.np	Method	AAT/NAP
Start	2631	End	10686
GI	3335378	Score	271
Exons	2631..2720, 5578..5768, 9909..10087, 10338..10686		
GI Descrip.	(AC003028) putative MYB family transcription factor [Arabidopsis thaliana]		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39060	Strand	-
Start	2966	End	10686
Name	OJ990426_20.9924.C6.o2.gs	Method	GENSCAN
Start	2966	End	3355
GI	none	Score	.8
Exons	2966..3355		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39060	Strand	-
Start	2966	End	10686
Name	OJ990426_20.9924.C6.o1.gp	Method	AAT/GAP
Start	3290	End	3525
GI	2280901	Score	438
Exons	3290..3525		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39060	Strand	-
Start	2966	End	10686
Name	OJ990426_20.9924.C6.o4.gs	Method	GENSCAN
Start	9904	End	10675
GI	none	Score	1
Exons	9904..10087, 10338..10675		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39061	Strand	-
Start	12203	End	13829
Name	OJ990426_20.9924.C6.o5.gs	Method	GENSCAN
Start	12203	End	13829
GI	none	Score	.62
Exons	12203..12327, 12484..12714, 12939..13106, 13310..13829		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39061	Strand	-
Start	12203	End	13829
Name	OJ990426_20.9924.C6.o4.gp	Method	AAT/GAP
Start	13487	End	13795
GI	none	Score	513
Exons	13487..13795		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39062	Strand	-
Start	16403	End	16807
Name	OJ990426_20.9924.C6.o6.gs	Method	GENSCAN
Start	16403	End	16807
GI	none	Score	.73
Exons	16403..16807		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39063	Strand	-
Start	18896	End	19051
Name	OJ990426_20.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	8081	End	8597
GI	none	Score	678
Exons	8081..8596, 8104..8595, 8394..8597		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39063	Strand	-
Start	18896	End	19051
Name	OJ990426_20.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	9850	End	10090
GI	none	Score	165
Exons	9850..10089, 9911..10090		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39063	Strand	-
Start	18896	End	19051
Name	OJ990426_20.9924.C6.o2.tm	Method	TBLASTX:Maize
Start	9876	End	12840
GI	none	Score	44
Exons	9876..9899, 9911..9964, 9911..9961, 9914..10054, 9952..10089, 9971..10090, 12641..12676, 12656..12727, 12811..12840		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39063	Strand	-
Start	18896	End	19051
Name	OJ990426_20.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	9911	End	10089
GI	none	Score	180
Exons	9911..10087, 9911..10051, 9916..10089		

Seq. No.	18584	Seq. ID	OJ990426_20.9924.C6
Gene No.	39063	Strand	-
Start	18896	End	19051
Name	OJ990426_20.9924.C6.o7.gs	Method	GENSCAN
Start	18896	End	19051
GI	none	Score	.75
Exons	18896..19051		

Seq. No.	18585	Seq. ID	OJ990426_20.9924.C8
Gene No.	39064	Strand	+
Start	1710	End	3260
Name	OJ990426_20.9924.C8.o1.gs	Method	GENSCAN
Start	1710	End	3260
GI	none	Score	.48
Exons	1710..1795, 2504..3260		

Seq. No.	18585	Seq. ID	OJ990426_20.9924.C8
Gene No.	39064	Strand	+
Start	1710	End	3260
Name	OJ990426_20.9924.C8.o1.np	Method	AAT/NAP
Start	2583	End	3251
GI	1619321	Score	251
Exons	2583..3251		
GI Descrip.	(Y07563) hin1 [Nicotiana tabacum]		

Seq. No.	18585	Seq. ID	OJ990426_20.9924.C8
Gene No.	39065	Strand	+
Start	5760	End	6033
Name	OJ990426_20.9924.C8.o1.gp	Method	AAT/GAP
Start	5760	End	6033
GI	none	Score	448
Exons	5760..6033		

Seq. No.	18585	Seq. ID	OJ990426_20.9924.C8
Gene No.	39066	Strand	+
Start	10788	End	12644
Name	OJ990426_20.9924.C8.o2.np	Method	AAT/NAP
Start	10788	End	12644
GI	5852093	Score	83
Exons	10788..10838, 10955..11065, 12487..12644		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	18585	Seq. ID	OJ990426_20.9924.C8
Gene No.	39066	Strand	+
Start	10788	End	12644
Name	OJ990426_20.9924.C8.o2.gp	Method	AAT/GAP
Start	12263	End	12630
GI	2311019	Score	670
Exons	12263..12630		

Seq. No.	18585	Seq. ID	OJ990426_20.9924.C8
Gene No.	39067	Strand	-
Start	5970	End	6425
Name	OJ990426_20.9924.C8.o2.gs	Method	GENSCAN
Start	5970	End	6425
GI	none	Score	.66
Exons	5970..6425		

Seq. No.	18585	Seq. ID	OJ990426_20.9924.C8
Gene No.	39068	Strand	-
Start	12322	End	12571
Name	OJ990426_20.9924.C8.o3.gs	Method	GENSCAN
Start	12322	End	12571
GI	none	Score	.88
Exons	12322..12347, 12394..12571		

Seq. No.	18586	Seq. ID	OJ990426_20.9924.C9
Gene No.	39069	Strand	-
Start	706	End	1050
Name	OJ990426_20.9924.C9.o1.gs	Method	GENSCAN
Start	706	End	1050
GI	none	Score	.7

Exons	706..1050		
Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39070	Strand	+
Start	18399	End	21944
Name	OJ990426_20.9924.C11.o4.gs	Method	GENSCAN
Start	18399	End	21944
GI	none	Score	.7
Exons	18399..18635, 19060..19963, 20053..20448, 20499..20816, 21139..21944		
Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39071	Strand	-
Start	1281	End	2024
Name	OJ990426_20.9924.C11.o2.gp	Method	AAT/GAP
Start	1071	End	2024
GI	92913_1.R1084	Score	1839
Exons	1071..2024		
GI Descrip.	'2801538 4.0e-12 (AF039532) harpin induced gene 1 homolog [Oryza sativa]'		
Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39071	Strand	-
Start	1281	End	2024
Name	OJ990426_20.9924.C11.o2.gs	Method	GENSCAN
Start	1281	End	1997
GI	none	Score	.95
Exons	1281..1997		
Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39071	Strand	-
Start	1281	End	2024
Name	OJ990426_20.9924.C11.o1.np	Method	AAT/NAP
Start	1284	End	1985
GI	4510371	Score	258
Exons	1284..1985		
GI Descrip.	(AC007017) similar to harpin-induced protein hin1 from tobacco [Arabidopsis thaliana]		
Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39072	Strand	-
Start	4852	End	17934
Name	OJ990426_20.9924.C11.o3.gs	Method	GENSCAN
Start	4852	End	17934
GI	none	Score	.72
Exons	4852..5623, 6343..7766, 7840..8487, 10148..10197, 10685..10727, 10976..11021, 11539..11648, 11945..11970, 12105..12455, 12580..12839, 13997..14022, 15075..15110, 17379..17513, 17577..17759, 17761..17934		
Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39072	Strand	-
Start	4852	End	17934
Name	OJ990426_20.9924.C11.o3.np	Method	AAT/NAP
Start	6351	End	11624
GI	5932553	Score	792
Exons	6351..6622, 7274..7673, 7840..8015, 8256..8487, 8579..8630,		

8919..8992, 10148..10197, 10266..10347, 10557..10606, 10685..10727, 10808..10888, 10976..11021, 11114..11160, 11245..11310, 11390..11456, 11539..11624

GI Descrip. (AC009465) putative kinase [Arabidopsis thaliana]

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39072	Strand	-
Start	4852	End	17934
Name	OJ990426_20.9924.C11.o3.gp	Method	AAT/GAP
Start	6753	End	7279
GI	none	Score	915
Exons	6753..7279		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39072	Strand	-
Start	4852	End	17934
Name	OJ990426_20.9924.C11.o4.gp	Method	AAT/GAP
Start	7303	End	7757
GI	2443068	Score	837
Exons	7303..7757		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39072	Strand	-
Start	4852	End	17934
Name	OJ990426_20.9924.C11.o5.gp	Method	AAT/GAP
Start	11686	End	12390
GI	uC-osroM202022b08b1	Score	708
Exons	11686..11769, 12105..12390		

GI Descrip. '4314356/gb|AAD15567| 5.0e-15 (AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]'

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o10.tm	Method	TBLASTX:Maize
Start	4320	End	4481
GI	none	Score	155
Exons	4320..4412, 4321..4416, 4333..4416, 4394..4480, 4421..4480, 4422..4481		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o4.tm	Method	TBLASTX:Maize
Start	6111	End	6799
GI	none	Score	82
Exons	6111..6194, 6146..6193, 6328..6699, 6330..6737, 6330..6737, 6740..6799		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o2.tc	Method	TBLASTX:Cress
Start	6345	End	6566
GI	none	Score	143
Exons	6345..6566, 6369..6548		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o3.ts	Method	TBLASTX:Soybean
Start	6345	End	6579
GI	none	Score	118
Exons	6345..6575, 6361..6453, 6425..6559, 6535..6579		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o1.tm	Method	TBLASTX:Maize
Start	7091	End	7863
GI	none	Score	323
Exons	7091..7147, 7099..7155, 7166..7564, 7170..7598, 7171..7566, 7576..7743, 7590..7742, 7728..7766, 7741..7767, 7840..7863, 7841..7861		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o8.tm	Method	TBLASTX:Maize
Start	7829	End	8106
GI	none	Score	113
Exons	7829..7951, 7865..7987, 7941..8036, 7952..8104, 7955..8101, 7975..8106		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o5.ts	Method	TBLASTX:Soybean
Start	8458	End	10608
GI	none	Score	103
Exons	8458..8487, 8573..8629, 8918..8992, 8922..8993, 10143..10199, 10148..10198, 10264..10356, 10273..10356, 10554..10607, 10555..10608		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o9.tm	Method	TBLASTX:Maize
Start	10151	End	11307
GI	none	Score	84
Exons	10151..10198, 10260..10349, 10264..10347, 10264..10356, 10265..10357, 10265..10357, 10554..10604, 10677..10733, 10808..10921, 10809..10877, 11113..11163, 11245..11307		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o8.tw	Method	TBLASTX:Wheat
Start	10151	End	11148
GI	none	Score	79
Exons	10151..10198, 10264..10353, 10264..10356, 10265..10357, 10554..10604, 10677..10733, 10808..10921, 10809..10877, 11113..11148		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o1.ts	Method	TBLASTX:Soybean
Start	10695	End	11670
GI	none	Score	48
Exons	10695..10733, 10808..10879, 10808..10891, 10958..11020, 10974..11024, 11113..11154, 11113..11154, 11243..11311, 11245..11319, 11384..11458, 11418..11474, 11526..11639, 11533..11670		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o5.gs	Method	GENSCAN
Start	22596	End	30715
GI	none	Score	.44
Exons	22596..22913, 22967..27107, 27116..27410, 27519..27729, 27822..28076, 28105..28682, 28884..29085, 29964..30020, 30653..30715		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o4.np	Method	AAT/NAP
Start	22599	End	26856
GI	4206306	Score	3028
Exons	22599..26443, 26773..26856		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o4.ts	Method	TBLASTX:Soybean
Start	23174	End	23533
GI	none	Score	62
Exons	23174..23398, 23181..23420, 23405..23533, 23406..23519		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o5.tm	Method	TBLASTX:Maize
Start	23189	End	23551
GI	none	Score	229
Exons	23189..23551, 23190..23459		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o5.tw	Method	TBLASTX:Wheat
Start	23321	End	23710
GI	none	Score	236
Exons	23321..23710		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-

Start	22596	End	30951
Name	OJ990426_20.9924.C11.o7.tm	Method	TBLASTX:Maize
Start	23552	End	23818
GI	none	Score	87
Exons	23552..23818, 23553..23711		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o3.tw	Method	TBLASTX:Wheat
Start	24020	End	24452
GI	none	Score	109
Exons	24020..24451, 24021..24194, 24237..24452		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o6.ts	Method	TBLASTX:Soybean
Start	24095	End	24454
GI	none	Score	87
Exons	24095..24454, 24096..24443		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o9.tw	Method	TBLASTX:Wheat
Start	24452	End	24661
GI	none	Score	70
Exons	24452..24643, 24456..24638, 24512..24661		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o2.ts	Method	TBLASTX:Soybean
Start	24638	End	25102
GI	none	Score	87
Exons	24638..25102, 24945..25052		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o1.tw	Method	TBLASTX:Wheat
Start	24728	End	25147
GI	none	Score	197
Exons	24728..25147, 24834..25091		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o3.tm	Method	TBLASTX:Maize
Start	24821	End	25204
GI	none	Score	183
Exons	24821..25204, 24834..25091, 24869..25180		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951

Name	OJ990426_20.9924.C11.o2.tm	Method	TBLASTX:Maize
Start	25232	End	25589
GI	none	Score	202
Exons	25232..25588, 25233..25589		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o2.tw	Method	TBLASTX:Wheat
Start	25262	End	25717
GI	none	Score	211
Exons	25262..25717, 25263..25505, 25298..25693		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o6.tw	Method	TBLASTX:Wheat
Start	25922	End	26281
GI	none	Score	102
Exons	25922..26143, 25923..26144, 26150..26281		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o7.tw	Method	TBLASTX:Wheat
Start	27127	End	27417
GI	none	Score	188
Exons	27127..27417		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o6.gp	Method	AAT/GAP
Start	29467	End	30951
GI	13905_1.R1084	Score	966
Exons	29467..29568, 29758..30020, 30653..30746, 30855..30951		
GI Descrip.	'170031 1.0e-105 (M10594) nodulin 35 [Glycine max]'		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o6.tm	Method	TBLASTX:Maize
Start	29931	End	30950
GI	none	Score	93
Exons	29931..29963, 29953..30021, 29959..30021, 29961..30029, 30665..30748, 30666..30749, 30671..30754, 30847..30948, 30852..30950, 30853..30948, 30854..30949		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o4.tw	Method	TBLASTX:Wheat
Start	29935	End	30950
GI	none	Score	123
Exons	29935..30021, 29937..30029, 30653..30748, 30654..30749, 30848..30949, 30852..30950, 30854..30949		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o1.tc	Method	TBLASTX:Cress
Start	29937	End	30950
GI	none	Score	83
Exons	29937..30023, 29938..30021, 30647..30748, 30648..30749, 30852..30950, 30854..30949		

Seq. No.	18587	Seq. ID	OJ990426_20.9924.C11
Gene No.	39073	Strand	-
Start	22596	End	30951
Name	OJ990426_20.9924.C11.o7.np	Method	AAT/NAP
Start	29940	End	30951
GI	3075395	Score	283
Exons	29940..30020, 30653..30746, 30855..30951		
GI Descrip.	(AC004484) putative uricase subunit [Arabidopsis thaliana]		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39074	Strand	+
Start	13354	End	21735
Name	OJ990426_20.9924.C12.o4.gs	Method	GENSCAN
Start	13354	End	21735
GI	none	Score	.73
Exons	13354..13444, 13470..13681, 14388..14564, 15698..15858, 16167..16406, 16510..16591, 17030..17089, 17765..19408, 19508..19609, 20588..20663, 21375..21451, 21718..21735		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39074	Strand	+
Start	13354	End	21735
Name	OJ990426_20.9924.C12.o3.np	Method	AAT/NAP
Start	15755	End	21679
GI	5306274	Score	600
Exons	15755..15849, 16167..16291, 16479..16591, 16904..16945, 17030..17089, 17765..17843, 17997..18350, 18714..18992, 19080..19268, 19296..19408, 19508..19616, 20625..20731, 20822..20947, 21121..21181, 21594..21679		
GI Descrip.	(AC006233) unknown protein [Arabidopsis thaliana]		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39074	Strand	+
Start	13354	End	21735
Name	OJ990426_20.9924.C12.o3.gp	Method	AAT/GAP
Start	20564	End	21344
GI	uC-osf1M202083a09b1	Score	961
Exons	20564..20731, 20822..20947, 21121..21344		
GI Descrip.	'5306274/gb|AAD42006.1|AC006233_17 4.0e-36 (AC006233) unknown protein [Arabidopsis thaliana]'		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39075	Strand	-
Start	1	End	2574
Name	OJ990426_20.9924.C12.o1.np	Method	AAT/NAP
Start	1	End	2574
GI	6175091	Score	470
Exons	1..20, 199..372, 692..801, 2019..2094, 2190..2282, 2362..2574		

GI Descrip. URICASE II (URATE OXIDASE) (NODULE SPECIFIC URICASE) gi|2809326 (U72663) uricase II [Phaseolus vulgaris]

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39075	Strand	-
Start	1	End	2574
Name	OJ990426_20.9924.C12.o1.gp	Method	AAT/GAP
Start	274	End	2480
GI	13905_1.R1084	Score	873
Exons	274..372, 692..801, 2019..2093, 2190..2282, 2362..2480		
GI Descrip.	'170031 1.0e-105 (M10594) nodulin 35 [Glycine max]'		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39075	Strand	-
Start	1	End	2574
Name	OJ990426_20.9924.C12.o1.gs	Method	GENSCAN
Start	281	End	2562
GI	none	Score	.84
Exons	281..372, 692..801, 2019..2094, 2190..2282, 2362..2562		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39076	Strand	-
Start	4566	End	8876
Name	OJ990426_20.9924.C12.o2.gs	Method	GENSCAN
Start	4566	End	8876
GI	none	Score	.64
Exons	4566..4658, 5975..6289, 7218..7324, 8115..8312, 8546..8876		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39077	Strand	-
Start	9532	End	10981
Name	OJ990426_20.9924.C12.o2.np	Method	AAT/NAP
Start	9532	End	10949
GI	4314356	Score	832
Exons	9532..10949		
GI Descrip.	(AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39077	Strand	-
Start	9532	End	10981
Name	OJ990426_20.9924.C12.o2.gp	Method	AAT/GAP
Start	10444	End	10981
GI	4715255	Score	956
Exons	10444..10981		
GI Descrip.	4314356/gb|AAD15567| 5.0e-15 (AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o5.ts	Method	TBLASTX:Soybean
Start	259	End	2533
GI	none	Score	78
Exons	259..378, 280..375, 692..802, 696..803, 2011..2142, 2018..2095, 2187..2282, 2200..2274, 2359..2478, 2360..2533		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	278	End	2667
GI	none	Score	121
Exons	278..376, 280..375, 280..378, 693..803, 693..812, 2011..2106, 2015..2095, 2024..2110, 2026..2097, 2169..2282, 2181..2282, 2359..2580, 2360..2581, 2629..2667		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	289	End	2536
GI	none	Score	94
Exons	289..378, 692..802, 696..803, 2011..2103, 2018..2098, 2182..2274, 2187..2282, 2359..2478, 2360..2464, 2495..2536		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o6.tm	Method	TBLASTX:Maize
Start	8023	End	8167
GI	none	Score	36
Exons	8023..8121, 8024..8116, 8098..8166, 8111..8167		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	9499	End	10587
GI	none	Score	39
Exons	9499..9939, 9782..9892, 9982..10116, 9992..10114, 10097..10135, 10165..10236, 10168..10317, 10351..10416, 10462..10587		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o3.tc	Method	TBLASTX:Cress
Start	9652	End	10128
GI	none	Score	85
Exons	9652..9939, 9767..9892, 9982..10128		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o5.tm	Method	TBLASTX:Maize
Start	9739	End	10122
GI	none	Score	104
Exons	9739..9939, 9755..9892, 9757..9897, 9982..10122, 10016..10117		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o1.tw	Method	TBLASTX:Wheat

Start	9883	End	10266
GI	none	Score	78
Exons	9883..9939, 9991..10122, 9992..10120, 10144..10266		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	10498	End	10893
GI	none	Score	76
Exons	10498..10893, 10499..10600, 10685..10891, 10690..10893		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o4.ts	Method	TBLASTX:Soybean
Start	10672	End	10935
GI	none	Score	120
Exons	10672..10935, 10685..10903		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o2.ts	Method	TBLASTX:Soybean
Start	18866	End	21255
GI	none	Score	52
Exons	18866..18973, 19085..19225, 19117..19224, 19142..19408, 19248..19370, 19250..19423, 19505..19612, 19507..19602, 19508..19609, 20588..20734, 20641..20730, 20810..20947, 20815..20946, 20819..20947, 20820..20948, 20821..20949, 21104..21175, 21115..21255		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o3.tm	Method	TBLASTX:Maize
Start	19151	End	21270
GI	none	Score	64
Exons	19151..19243, 19242..19394, 19247..19408, 19250..19408, 19503..19577, 19505..19612, 19506..19616, 19507..19602, 20588..20734, 20588..20740, 20810..20947, 20814..20948, 20815..20949, 20815..20946, 21115..21270		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o4.tc	Method	TBLASTX:Cress
Start	19295	End	19612
GI	none	Score	161
Exons	19295..19405, 19298..19423, 19299..19406, 19300..19407, 19508..19612, 19510..19602		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o2.tc	Method	TBLASTX:Cress
Start	20636	End	21177

GI	none	Score	139
Exons	20636..20734, 20641..20736, 20815..20946, 20816..20947, 21115..21177		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o5.gs	Method	GENSCAN
Start	22275	End	25684
GI	none	Score	.87
Exons	22275..23644, 25666..25684		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o3.ts	Method	TBLASTX:Soybean
Start	22278	End	23471
GI	none	Score	66
Exons	22278..22382, 22282..22383, 22395..22520, 22399..22461, 22584..22958, 23253..23342, 23260..23343, 23364..23471		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o4.np	Method	AAT/NAP
Start	22278	End	23486
GI	4510376	Score	790
Exons	22278..23486		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o4.tm	Method	TBLASTX:Maize
Start	22725	End	22997
GI	none	Score	195
Exons	22725..22997, 22773..22997		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o7.tm	Method	TBLASTX:Maize
Start	23103	End	23471
GI	none	Score	127
Exons	23103..23303, 23364..23471		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-
Start	22275	End	25684
Name	OJ990426_20.9924.C12.o2.tw	Method	TBLASTX:Wheat
Start	23253	End	23504
GI	none	Score	65
Exons	23253..23303, 23266..23319, 23316..23342, 23361..23471, 23365..23466, 23385..23504		

Seq. No.	18588	Seq. ID	OJ990426_20.9924.C12
Gene No.	39078	Strand	-

Start	22275	End	25684
Name	OJ990426_20.9924.C12.o5.tc	Method	TBLASTX:Cress
Start	23259	End	23471
GI	none	Score	80
Exons	23259..23336, 23266..23337, 23362..23466, 23364..23471		

Seq. No.	18589	Seq. ID	OJ990426_20.9924.C13
Gene No.	39079	Strand	+
Start	1	End	97
Name	OJ990426_20.9924.C13.o1.gp	Method	AAT/GAP
Start	1	End	97
GI	none	Score	167
Exons	1..97		

Seq. No.	18590	Seq. ID	OJ990426_20.9924.C14
Gene No.	39080	Strand	+
Start	1	End	538
Name	OJ990426_20.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	538
GI	87765	Score	361
Exons	1..538		
GI Descrip.	hypothetical L1 protein (third intron of gene TS) - human gi|364964|prf||1510254A L1 repetitive element ORF [Homo sapiens]		

Seq. No.	18591	Seq. ID	OJ990426_20.9924.C15
Gene No.	39081	Strand	-
Start	62	End	199
Name	OJ990426_20.9924.C15.o1.gs	Method	GENSCAN
Start	62	End	199
GI	none	Score	.96
Exons	62..199		

Seq. No.	18592	Seq. ID	OJ990426_22.9924.C1
Gene No.	39082	Strand	+
Start	475	End	733
Name	OJ990426_22.9924.C1.o1.np	Method	AAT/NAP
Start	475	End	733
GI	2498930	Score	67
Exons	475..538, 706..733		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o1.gp	Method	AAT/GAP
Start	1	End	4070
GI	342_1.R1084	Score	6732
Exons	1..600, 678..699, 844..4070		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o3.gp	Method	AAT/GAP
Start	1	End	4080

GI	342_1.R1084	Score	6740
Exons	1..600, 678..699, 844..4080		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o2.gp	Method	AAT/GAP
Start	1	End	4076
GI	342_1.R1084	Score	6736
Exons	1..600, 678..699, 844..4076		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o6.gp	Method	AAT/GAP
Start	152	End	4243
GI	342_1.R1084	Score	6667
Exons	152..600, 678..699, 844..4243		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o5.gp	Method	AAT/GAP
Start	155	End	4243
GI	342_1.R1084	Score	6661
Exons	155..600, 678..699, 844..4243		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o7.gp	Method	AAT/GAP
Start	156	End	4243
GI	342_1.R1084	Score	6659
Exons	156..600, 678..699, 844..4243		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o4.gp	Method	AAT/GAP
Start	161	End	4243
GI	342_1.R1084	Score	6649
Exons	161..600, 678..699, 844..4243		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-

Start	1	End	4695
Name	OJ990426_22.9924.C4.o1.gs	Method	GENSCAN
Start	915	End	4247
GI	none	Score	.9
Exons	915..4247		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o1.np	Method	AAT/NAP
Start	936	End	4247
GI	4680203	Score	3338
Exons	936..1913, 2190..2420, 2574..4247		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39083	Strand	-
Start	1	End	4695
Name	OJ990426_22.9924.C4.o8.gp	Method	AAT/GAP
Start	3174	End	4695
GI	2310235	Score	300
Exons	3174..3231, 4108..4247, 4658..4695		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	1005	End	2307
GI	none	Score	47
Exons	1005..1082, 1021..1056, 1071..1151, 1088..1162, 1158..1304, 1165..1305, 1284..1343, 1285..1347, 1350..1394, 1355..1390, 1389..2306, 1404..1721, 1576..2307		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	1571	End	2023
GI	none	Score	92
Exons	1571..1819, 1572..1721, 1572..2015, 1576..2019, 1582..2019, 1841..2023		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o2.tm	Method	TBLASTX:Maize
Start	1950	End	2264
GI	none	Score	66
Exons	1950..2180, 1950..2264, 1978..2253		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o3.tw	Method	TBLASTX:Wheat
Start	2308	End	2718

GI	none	Score	81
Exons	2308..2394, 2310..2399, 2310..2393, 2426..2638, 2427..2645, 2467..2649, 2655..2717, 2668..2718		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o2.ts	Method	TBLASTX:Soybean
Start	2751	End	2993
GI	none	Score	216
Exons	2751..2993		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	2823	End	3281
GI	none	Score	97
Exons	2823..3017, 3027..3281, 3027..3269		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o2.tw	Method	TBLASTX:Wheat
Start	2857	End	3326
GI	none	Score	173
Exons	2857..3063, 2862..3086, 3066..3164, 3067..3159, 3168..3272, 3172..3261, 3273..3326, 3274..3318		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o2.tc	Method	TBLASTX:Cress
Start	3114	End	3462
GI	none	Score	88
Exons	3114..3455, 3133..3270, 3310..3462		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	3195	End	3624
GI	none	Score	121
Exons	3195..3491, 3213..3437, 3486..3548, 3541..3624, 3549..3623		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o4.tw	Method	TBLASTX:Wheat
Start	3540	End	3896
GI	none	Score	157
Exons	3540..3797, 3545..3796, 3555..3806, 3556..3798, 3789..3896		

Seq. No.	18593	Seq. ID	OJ990426_22.9924.C4
Gene No.	39084	Strand	-
Start	5067	End	6873
Name	OJ990426_22.9924.C4.o2.gs	Method	GENSCAN

Start	5067	End	6873
GI	none	Score	.59
Exons	5067..5147, 5453..5509, 5944..6022, 6146..6221, 6416..6646, 6825..6873		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39085	Strand	-
Start	169	End	6939
Name	OJ990426_22.9924.C5.o1.gs	Method	GENSCAN
Start	169	End	4644
GI	none	Score	.45
Exons	169..390, 4346..4391, 4490..4644		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39085	Strand	-
Start	169	End	6939
Name	OJ990426_22.9924.C5.o1.np	Method	AAT/NAP
Start	3980	End	6786
GI	4263522	Score	756
Exons	3980..4007, 5281..6435, 6677..6786		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39085	Strand	-
Start	169	End	6939
Name	OJ990426_22.9924.C5.o2.gs	Method	GENSCAN
Start	5262	End	6939
GI	none	Score	.87
Exons	5262..6112, 6357..6939		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39086	Strand	-
Start	7929	End	8742
Name	OJ990426_22.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	5265	End	6553
GI	none	Score	104
Exons	5265..6107, 5287..5685, 5370..5840, 5704..5982, 5733..5822, 5784..6104, 5808..6206, 5809..6105, 6054..6287, 6057..6284, 6099..6305, 6216..6377, 6216..6377, 6217..6336, 6357..6416, 6375..6422, 6506..6553		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39086	Strand	-
Start	7929	End	8742
Name	OJ990426_22.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	5280	End	5814
GI	none	Score	178
Exons	5280..5813, 5302..5814		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39086	Strand	-
Start	7929	End	8742
Name	OJ990426_22.9924.C5.o2.tc	Method	TBLASTX:Cress
Start	5280	End	5613
GI	none	Score	36
Exons	5280..5402, 5280..5612, 5485..5613		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39086	Strand	-
Start	7929	End	8742
Name	OJ990426_22.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	5598	End	6485
GI	none	Score	66
Exons	5598..5669, 5676..6137, 5733..5849, 5737..5880, 6303..6485		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39086	Strand	-
Start	7929	End	8742
Name	OJ990426_22.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	5697	End	6642
GI	none	Score	58
Exons	5697..5816, 5737..5883, 5820..6392, 5820..6101, 5946..6227, 6048..6107, 6168..6299, 6201..6464, 6216..6398, 6303..6476, 6304..6474, 6520..6642, 6520..6588		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39086	Strand	-
Start	7929	End	8742
Name	OJ990426_22.9924.C5.o2.ts	Method	TBLASTX:Soybean
Start	5877	End	6642
GI	none	Score	87
Exons	5877..6254, 6025..6255, 6214..6348, 6216..6353, 6520..6642		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39086	Strand	-
Start	7929	End	8742
Name	OJ990426_22.9924.C5.o1.gp	Method	AAT/GAP
Start	7799	End	8742
GI	none	Score	810
Exons	7799..8048, 8444..8499, 8587..8742		

Seq. No.	18594	Seq. ID	OJ990426_22.9924.C5
Gene No.	39086	Strand	-
Start	7929	End	8742
Name	OJ990426_22.9924.C5.o3.gs	Method	GENSCAN
Start	7929	End	8499
GI	none	Score	.98
Exons	7929..8048, 8444..8499		

Seq. No.	18595	Seq. ID	OJ990426_22.9924.C7
Gene No.	39087	Strand	+
Start	420	End	596
Name	OJ990426_22.9924.C7.o1.gs	Method	GENSCAN
Start	420	End	596
GI	none	Score	.47
Exons	420..494, 525..596		

Seq. No.	18595	Seq. ID	OJ990426_22.9924.C7
Gene No.	39088	Strand	-
Start	760	End	1248
Name	OJ990426_22.9924.C7.o2.gs	Method	GENSCAN
Start	760	End	1248
GI	none	Score	.59
Exons	760..901, 1039..1248		

Seq. No.	18596	Seq. ID	OJ990426_22.9924.C8
Gene No.	39089	Strand	+
Start	441	End	580
Name	OJ990426_22.9924.C8.o1.gp	Method	AAT/GAP
Start	441	End	580
GI	21474_1.R1084	Score	189
Exons	441..580		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18597	Seq. ID	OJ990426_22.9924.C9
Gene No.	39090	Strand	+
Start	164	End	212
Name	OJ990426_22.9924.C9.o1.gs	Method	GENSCAN
Start	164	End	212
GI	none	Score	.72
Exons	164..212		

Seq. No.	18598	Seq. ID	OJ990426_22.9924.C10
Gene No.	39091	Strand	+
Start	331	End	4062
Name	OJ990426_22.9924.C10.o1.np	Method	AAT/NAP
Start	331	End	4062
GI	4680204	Score	1064
Exons	331..1767, 1842..2941, 3051..3224, 3321..3540, 3891..3986, 4021..4062		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	18598	Seq. ID	OJ990426_22.9924.C10
Gene No.	39091	Strand	+
Start	331	End	4062
Name	OJ990426_22.9924.C10.o1.gs	Method	GENSCAN
Start	346	End	4043
GI	none	Score	.72
Exons	346..1767, 1842..2941, 3051..3224, 3321..3431, 3516..3588, 3861..4043		

Seq. No.	18598	Seq. ID	OJ990426_22.9924.C10
Gene No.	39092	Strand	+
Start	4081	End	4331
Name	OJ990426_22.9924.C10.o2.np	Method	AAT/NAP
Start	4081	End	4331
GI	862343	Score	109
Exons	4081..4331		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	18598	Seq. ID	OJ990426_22.9924.C10
Gene No.	39093	Strand	-
Start	4399	End	4491
Name	OJ990426_22.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	976	End	1377
GI	none	Score	213
Exons	976..1212, 976..1125, 1137..1217, 1207..1377, 1282..1377		

Seq. No.	18598	Seq. ID	OJ990426_22.9924.C10
Gene No.	39093	Strand	-
Start	4399	End	4491
Name	OJ990426_22.9924.C10.o2.tw	Method	TBLASTX:Wheat
Start	1378	End	2054
GI	none	Score	69
Exons	1378..1458, 1699..1770, 1833..2054, 1835..1909		

Seq. No.	18598	Seq. ID	OJ990426_22.9924.C10
Gene No.	39093	Strand	-
Start	4399	End	4491
Name	OJ990426_22.9924.C10.o3.tw	Method	TBLASTX:Wheat
Start	2868	End	3390
GI	none	Score	61
Exons	2868..2948, 3037..3219, 3087..3212, 3319..3390		

Seq. No.	18598	Seq. ID	OJ990426_22.9924.C10
Gene No.	39093	Strand	-
Start	4399	End	4491
Name	OJ990426_22.9924.C10.o1.gp	Method	AAT/GAP
Start	4399	End	4491
GI	21474_1.R1084	Score	145
Exons	4399..4491		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18599	Seq. ID	OJ990426_22.9924.C11
Gene No.	39094	Strand	+
Start	947	End	2374
Name	OJ990426_22.9924.C11.o1.gs	Method	GENSCAN
Start	947	End	2374
GI	none	Score	.4
Exons	947..1075, 1193..1220, 1340..1455, 2306..2374		

Seq. No.	18600	Seq. ID	OJ990426_22.9924.C12
Gene No.	39095	Strand	+
Start	152	End	1746
Name	OJ990426_22.9924.C12.o1.gs	Method	GENSCAN
Start	152	End	1746
GI	none	Score	.81
Exons	152..233, 932..984, 1081..1746		

Seq. No.	18600	Seq. ID	OJ990426_22.9924.C12
Gene No.	39096	Strand	+
Start	6097	End	6209
Name	OJ990426_22.9924.C12.o1.gp	Method	AAT/GAP
Start	6097	End	6209
GI	uC-osflcyp088b12b1	Score	156
Exons	6097..6209		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	18600	Seq. ID	OJ990426_22.9924.C12
Gene No.	39097	Strand	
Start	6723	End	7067
Name	OJ990426_22.9924.C12.o2.tw	Method	TBLASTX:Wheat

Start	6723	End	7067
GI	none	Score	181
Exons	6723..7067, 6821..6997		

Seq. No.	18600	Seq. ID	OJ990426_22.9924.C12
Gene No.	39098	Strand	
Start	7860	End	8219
Name	OJ990426_22.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	7860	End	8219
GI	none	Score	79
Exons	7860..7991, 7997..8218, 7998..8219		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39099	Strand	+
Start	83	End	242
Name	OJ990426_22.9924.C13.o1.gs	Method	GENSCAN
Start	83	End	242
GI	none	Score	.91
Exons	83..242		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39100	Strand	+
Start	311	End	5583
Name	OJ990426_22.9924.C13.o2.np	Method	AAT/NAP
Start	311	End	5053
GI	4206306	Score	2451
Exons	311..355, 2046..5053		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39100	Strand	+
Start	311	End	5583
Name	OJ990426_22.9924.C13.o2.gs	Method	GENSCAN
Start	1034	End	5583
GI	none	Score	.64
Exons	1034..1098, 2012..2990, 3089..4096, 4217..5000, 5471..5583		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o1.np	Method	AAT/NAP
Start	1	End	5944
GI	5295955	Score	270
Exons	1..405, 1088..1201, 1742..1862, 5839..5944		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	2091	End	2546
GI	none	Score	483
Exons	2091..2546, 2115..2510, 2126..2545		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-

Start	1	End	9752
Name	OJ990426_22.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	2219	End	2576
GI	none	Score	419
Exons	2219..2575, 2220..2576		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o3.tm	Method	TBLASTX:Maize
Start	2604	End	2987
GI	none	Score	362
Exons	2604..2987, 2625..2732, 2714..2974		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o2.tw	Method	TBLASTX:Wheat
Start	2661	End	3080
GI	none	Score	404
Exons	2661..3080, 2661..2978		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	2706	End	3080
GI	none	Score	253
Exons	2706..3080, 2759..2914		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o3.tw	Method	TBLASTX:Wheat
Start	3220	End	3652
GI	none	Score	307
Exons	3220..3651, 3221..3652		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o4.tm	Method	TBLASTX:Maize
Start	3854	End	4120
GI	none	Score	234
Exons	3854..4120, 3979..4119		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o4.tw	Method	TBLASTX:Wheat
Start	3962	End	4351
GI	none	Score	263
Exons	3962..4351, 4006..4269		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752

Name	OJ990426_22.9924.C13.o2.tm	Method	TBLASTX:Maize
Start	4121	End	4474
GI	none	Score	368
Exons	4121..4474, 4213..4473		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o2.ts	Method	TBLASTX:Soybean
Start	4238	End	4582
GI	none	Score	46
Exons	4238..4273, 4292..4582		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o5.tw	Method	TBLASTX:Wheat
Start	4481	End	5044
GI	none	Score	84
Exons	4481..4579, 4595..4726, 4919..5044		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o5.tm	Method	TBLASTX:Maize
Start	4742	End	5002
GI	none	Score	190
Exons	4742..5002, 4810..4977		

Seq. No.	18601	Seq. ID	OJ990426_22.9924.C13
Gene No.	39101	Strand	-
Start	1	End	9752
Name	OJ990426_22.9924.C13.o3.gs	Method	GENSCAN
Start	5684	End	9752
GI	none	Score	.57
Exons	5684..6121, 6404..6541, 6680..7228, 7329..8100, 8118..8334, 8402..8477, 8550..9287, 9567..9752		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39102	Strand	+
Start	833	End	1213
Name	OJ990426_22.9924.C14.o1.gp	Method	AAT/GAP
Start	833	End	1213
GI	uC-osflcyp033a04b1	Score	650
Exons	833..1213		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39103	Strand	+
Start	20333	End	22486
Name	OJ990426_22.9924.C14.o4.gs	Method	GENSCAN
Start	20333	End	22486
GI	none	Score	.73
Exons	20333..20447, 20483..20587, 22368..22486		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14

Gene No.	39104	Strand	+
Start	24492	End	27575
Name	OJ990426_22.9924.C14.o6.gs	Method	GENSCAN
Start	24492	End	25374
GI	none	Score	.47
Exons	24492..24778, 25239..25374		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39104	Strand	+
Start	24492	End	27575
Name	OJ990426_22.9924.C14.o6.np	Method	AAT/NAP
Start	25079	End	27575
GI	6498434	Score	78
Exons	25079..25098, 27499..27575		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39104	Strand	+
Start	24492	End	27575
Name	OJ990426_22.9924.C14.o7.gs	Method	GENSCAN
Start	25830	End	26331
GI	none	Score	.89
Exons	25830..25871, 25877..26162, 26291..26331		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39105	Strand	-
Start	1	End	6531
Name	OJ990426_22.9924.C14.o2.np	Method	AAT/NAP
Start	1	End	5914
GI	4544372	Score	554
Exons	1..47, 1918..2792, 3094..3223, 5848..5914		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39105	Strand	-
Start	1	End	6531
Name	OJ990426_22.9924.C14.o1.gs	Method	GENSCAN
Start	763	End	6531
GI	none	Score	.53
Exons	763..965, 1062..1115, 1376..1415, 1882..2878, 2994..4624, 4898..5004, 5013..5586, 6025..6531		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39105	Strand	-
Start	1	End	6531
Name	OJ990426_22.9924.C14.o1.np	Method	AAT/NAP
Start	766	End	1860
GI	4680186	Score	360
Exons	766..965, 1805..1860		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39106	Strand	-
Start	10691	End	15554
Name	OJ990426_22.9924.C14.o3.gs	Method	GENSCAN
Start	10691	End	14633

GI	none	Score	.85
Exons	10691..10750, 11020..13152, 13719..14218, 14462..14633		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39106	Strand	-
Start	10691	End	15554
Name	OJ990426_22.9924.C14.o4.np	Method	AAT/NAP
Start	11095	End	15554
GI	625973	Score	601
Exons	11095..13152, 13719..13869, 15511..15554		
GI Descrip.	disease resistance protein RPS2 - Arabidopsis thaliana gi|548086 (U14158) RPS2 [Arabidopsis thaliana] gi|549979 (U12860) RPS2 [Arabidopsis thaliana] gi|4538938|emb|CAB39674.1| (AL049483) disease resistance protein RPS2 [Arabidopsis thaliana]		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39107	Strand	-
Start	23003	End	23615
Name	OJ990426_22.9924.C14.o5.gs	Method	GENSCAN
Start	23003	End	23615
GI	none	Score	.83
Exons	23003..23060, 23109..23339, 23446..23615		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	1913	End	2193
GI	none	Score	135
Exons	1913..2044, 1918..2193, 1927..2193		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o3.ts	Method	TBLASTX:Soybean
Start	1913	End	2118
GI	none	Score	82
Exons	1913..2026, 1918..2118		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	2062	End	2466
GI	none	Score	252
Exons	2062..2406, 2062..2415, 2105..2407, 2310..2417, 2410..2466, 2420..2461		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o2.tm	Method	TBLASTX:Maize
Start	2194	End	2412
GI	none	Score	209
Exons	2194..2412, 2195..2407		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14

Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	2263	End	2628
GI	none	Score	70
Exons	2263..2397, 2404..2628, 2438..2617		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o2.ts	Method	TBLASTX:Soybean
Start	3038	End	3376
GI	none	Score	204
Exons	3038..3376		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o1.tc	Method	TBLASTX:Cress
Start	11209	End	13850
GI	none	Score	70
Exons	11209..11337, 11404..11559, 12025..12213, 12307..12633, 12322..12462, 12545..12634, 12685..12900, 12997..13116, 13791..13850		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o3.tm	Method	TBLASTX:Maize
Start	12778	End	13101
GI	none	Score	55
Exons	12778..12900, 12827..12901, 12907..13101, 12998..13072		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o5.np	Method	AAT/NAP
Start	24002	End	29448
GI	5852175	Score	108
Exons	24002..24034, 24650..24747, 25321..25370, 28019..28125, 29396..29448		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	18602	Seq. ID	OJ990426_22.9924.C14
Gene No.	39108	Strand	-
Start	24002	End	29609
Name	OJ990426_22.9924.C14.o8.gs	Method	GENSCAN
Start	27185	End	29609
GI	none	Score	.66
Exons	27185..27285, 27533..27682, 27997..28110, 28259..28426, 29396..29609		

Seq. No.	18603	Seq. ID	OJ990426_22.9924.C15
Gene No.	39109	Strand	+
Start	1	End	167
Name	OJ990426_22.9924.C15.o1.gp	Method	AAT/GAP
Start	1	End	167

GI	21474_1.R1084	Score	246
Exons	1..167		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39110	Strand	+
Start	1	End	2464
Name	OJ990426_22.9924.C16.o1.np	Method	AAT/NAP
Start	1	End	1928
GI	6671947	Score	190
Exons	1..302, 405..491, 1890..1928		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39110	Strand	+
Start	1	End	2464
Name	OJ990426_22.9924.C16.o1.gp	Method	AAT/GAP
Start	238	End	2464
GI	none	Score	1287
Exons	238..302, 405..491, 1890..2464		

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39111	Strand	-
Start	354	End	10093
Name	OJ990426_22.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	238	End	2371
GI	none	Score	64
Exons	238..300, 239..307, 240..302, 392..490, 399..512, 402..491, 406..492, 1887..1934, 2225..2257, 2230..2262, 2267..2326, 2268..2327, 2335..2367, 2336..2371		

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39111	Strand	-
Start	354	End	10093
Name	OJ990426_22.9924.C16.o1.tc	Method	TBLASTX:Cress
Start	239	End	1931
GI	none	Score	81
Exons	239..298, 240..302, 402..491, 404..484, 1887..1931		

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39111	Strand	-
Start	354	End	10093
Name	OJ990426_22.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	240	End	1934
GI	none	Score	83
Exons	240..302, 254..307, 258..311, 259..303, 401..478, 402..491, 403..459, 404..475, 1887..1934		

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39111	Strand	-
Start	354	End	10093
Name	OJ990426_22.9924.C16.o1.gs	Method	GENSCAN
Start	354	End	10068
GI	none	Score	.44
Exons	354..683, 2111..2239, 4446..4552, 4833..4881, 4939..5041,		

5203..5219, 5254..5346, 5477..5541, 5691..5753, 5937..6033, 6556..6818, 7252..7348, 8340..8438, 9827..10068

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39111	Strand	-
Start	354	End	10093
Name	OJ990426_22.9924.C16.o2.np	Method	AAT/NAP
Start	5215	End	10093
GI	6175166	Score	234
Exons	5215..5346, 5477..5541, 5691..5753, 5937..5985, 6556..6621, 9992..10093		
GI Descrip.	(AC011437) unknown protein [Arabidopsis thaliana]		

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39111	Strand	-
Start	354	End	10093
Name	OJ990426_22.9924.C16.o2.tm	Method	TBLASTX:Maize
Start	5260	End	6621
GI	none	Score	106
Exons	5260..5352, 5261..5347, 5474..5542, 5476..5544, 5478..5540, 5479..5541, 5687..5755, 5690..5752, 5692..5754, 5917..5988, 5933..5986, 6547..6621, 6548..6613		

Seq. No.	18604	Seq. ID	OJ990426_22.9924.C16
Gene No.	39111	Strand	-
Start	354	End	10093
Name	OJ990426_22.9924.C16.o2.gp	Method	AAT/GAP
Start	8355	End	8907
GI	LIB3431-055-P1-N1-G3	Score	1083
Exons	8355..8907		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 1.0e-76 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	18605	Seq. ID	OJ990426_22.9924.C17
Gene No.	39112	Strand	+
Start	1	End	9321
Name	OJ990426_22.9924.C17.o3.np	Method	AAT/NAP
Start	1	End	9321
GI	1644232	Score	75
Exons	1..31, 3869..3977, 6839..6908, 7124..7331, 9277..9321		
GI Descrip.	(D67066) N-WASP [Bos taurus]		

Seq. No.	18605	Seq. ID	OJ990426_22.9924.C17
Gene No.	39112	Strand	+
Start	1	End	9321
Name	OJ990426_22.9924.C17.o1.gs	Method	GENSCAN
Start	1830	End	4671
GI	none	Score	.85
Exons	1830..1877, 1922..2086, 2901..3030, 3153..3342, 3423..4671		

Seq. No.	18605	Seq. ID	OJ990426_22.9924.C17
Gene No.	39112	Strand	+
Start	1	End	9321
Name	OJ990426_22.9924.C17.o1.np	Method	AAT/NAP
Start	3430	End	4674
GI	2351097	Score	954
Exons	3430..4578, 4630..4674		

GI Descrip. (AB006810) ATMRK1 [Arabidopsis thaliana]

Seq. No.	18605	Seq. ID	OJ990426_22.9924.C17
Gene No.	39112	Strand	+
Start	1	End	9321
Name	OJ990426_22.9924.C17.o1.tc	Method	TBLASTX:Cress
Start	3646	End	4659
GI	none	Score	299
Exons	3646..3936, 3681..3935, 3934..4158, 3969..4157, 4186..4371, 4191..4367, 4384..4578, 4455..4577, 4642..4659		

Seq. No.	18605	Seq. ID	OJ990426_22.9924.C17
Gene No.	39112	Strand	+
Start	1	End	9321
Name	OJ990426_22.9924.C17.o1.tm	Method	TBLASTX:Maize
Start	3646	End	4581
GI	none	Score	294
Exons	3646..3912, 3663..3908, 3969..4157, 3973..4158, 4146..4409, 4183..4371, 4381..4581, 4455..4580		

Seq. No.	18605	Seq. ID	OJ990426_22.9924.C17
Gene No.	39112	Strand	+
Start	1	End	9321
Name	OJ990426_22.9924.C17.o1.tw	Method	TBLASTX:Wheat
Start	3979	End	7621
GI	none	Score	204
Exons	3979..4158, 3985..4155, 4146..4361, 4186..4371, 4189..4368, 4384..4569, 7394..7525, 7565..7621		

Seq. No.	18605	Seq. ID	OJ990426_22.9924.C17
Gene No.	39112	Strand	+
Start	1	End	9321
Name	OJ990426_22.9924.C17.o1.ts	Method	TBLASTX:Soybean
Start	4048	End	4656
GI	none	Score	129
Exons	4048..4158, 4062..4157, 4140..4367, 4186..4371, 4381..4572, 4461..4568, 4642..4656		

Seq. No.	18605	Seq. ID	OJ990426_22.9924.C17
Gene No.	39112	Strand	+
Start	1	End	9321
Name	OJ990426_22.9924.C17.o2.np	Method	AAT/NAP
Start	6092	End	7596
GI	6006367	Score	65
Exons	6092..6222, 7559..7596		

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39113	Strand	+
Start	144	End	710
Name	OJ990426_22.9924.C18.o1.gs	Method	GENSCAN
Start	144	End	710
GI	none	Score	.47
Exons	144..272, 323..406, 622..710		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39114	Strand	+

Start	3340	End	6468
Name	OJ990426_22.9924.C18.o2.gs	Method	GENSCAN
Start	3340	End	6468
GI	none	Score	.52
Exons	3340..4030, 4122..4286, 4338..4505, 4734..5099, 5181..5243, 5576..6036, 6109..6304, 6461..6468		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39115	Strand	+
Start	8212	End	8530
Name	OJ990426_22.9924.C18.o1.gp	Method	AAT/GAP
Start	8212	End	8530
GI	none	Score	603
Exons	8212..8530		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39116	Strand	+
Start	12946	End	13258
Name	OJ990426_22.9924.C18.o2.gp	Method	AAT/GAP
Start	12946	End	13258
GI	none	Score	594
Exons	12946..13258		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39117	Strand	-
Start	7614	End	12899
Name	OJ990426_22.9924.C18.o3.gs	Method	GENSCAN
Start	7614	End	12890
GI	none	Score	.45
Exons	7614..7764, 8542..9956, 10281..10741, 11831..12593, 12606..12890		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39117	Strand	-
Start	7614	End	12899
Name	OJ990426_22.9924.C18.o1.np	Method	AAT/NAP
Start	8538	End	12899
GI	2586082	Score	4967
Exons	8538..10223, 10261..12899		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o4.tm	Method	TBLASTX:Maize
Start	1700	End	4930
GI	none	Score	70
Exons	1700..1801, 4337..4393, 4403..4864, 4489..4797, 4871..4930		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o6.ts	Method	TBLASTX:Soybean
Start	4082	End	4540
GI	none	Score	74
Exons	4082..4159, 4163..4273, 4262..4540, 4262..4540		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18

Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o5.ts	Method	TBLASTX:Soybean
Start	4541	End	4792
GI	4397495	Score	240
Exons	4541..4792, 4543..4788		
GI Descrip.	4234955 2.0e-22 (AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o6.tw	Method	TBLASTX:Wheat
Start	5719	End	6086
GI	none	Score	191
Exons	5719..6075, 5775..6086		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	8538	End	9194
GI	none	Score	43
Exons	8538..8759, 8695..8760, 8796..9194, 8848..9180		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o1.ts	Method	TBLASTX:Soybean
Start	8589	End	9185
GI	none	Score	51
Exons	8589..9185, 8670..8759, 8794..8997, 9058..9183		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o1.tw	Method	TBLASTX:Wheat
Start	8949	End	9386
GI	none	Score	46
Exons	8949..9386, 8950..9036, 9057..9212, 9064..9381		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o3.tc	Method	TBLASTX:Cress
Start	9252	End	9500
GI	none	Score	198
Exons	9252..9500		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o2.tm	Method	TBLASTX:Maize
Start	9327	End	9767
GI	none	Score	38
Exons	9327..9767, 9367..9414, 9457..9561, 9598..9747		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o3.tw	Method	TBLASTX:Wheat
Start	9387	End	9900
GI	none	Score	93
Exons	9387..9563, 9555..9899, 9595..9747, 9781..9900		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o2.ts	Method	TBLASTX:Soybean
Start	9564	End	10082
GI	5509260	Score	128
Exons	9564..10082, 9577..9741, 9787..9942, 9967..10068		
GI Descrip.	-		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o2.tc	Method	TBLASTX:Cress
Start	9681	End	9951
GI	none	Score	152
Exons	9681..9950, 9682..9951		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o7.tm	Method	TBLASTX:Maize
Start	9771	End	10040
GI	none	Score	91
Exons	9771..10040, 9807..9977, 9811..10029		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o1.tc	Method	TBLASTX:Cress
Start	10683	End	11132
GI	none	Score	362
Exons	10683..11132		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o4.tw	Method	TBLASTX:Wheat
Start	10683	End	11042
GI	none	Score	89
Exons	10683..11042, 10690..10899, 10695..11009, 10921..11016		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o4.ts	Method	TBLASTX:Soybean
Start	10701	End	11120
GI	none	Score	264
Exons	10701..11120		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o5.tm	Method	TBLASTX:Maize
Start	10704	End	11027
GI	none	Score	75
Exons	10704..11027, 10708..10896		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o7.tw	Method	TBLASTX:Wheat
Start	11043	End	11333
GI	none	Score	165
Exons	11043..11126, 11145..11333		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o3.ts	Method	TBLASTX:Soybean
Start	11129	End	11552
GI	none	Score	68
Exons	11129..11269, 11142..11312, 11333..11446, 11337..11552, 11386..11430		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o2.tw	Method	TBLASTX:Wheat
Start	11619	End	12011
GI	none	Score	99
Exons	11619..11798, 11620..11784, 11778..12011, 11826..11960		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o6.tm	Method	TBLASTX:Maize
Start	11829	End	12389
GI	none	Score	95
Exons	11829..11951, 11829..12074, 12258..12389		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o3.tm	Method	TBLASTX:Maize
Start	12390	End	12809
GI	none	Score	103
Exons	12390..12689, 12393..12674, 12412..12687, 12717..12809, 12721..12801		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o5.tw	Method	TBLASTX:Wheat
Start	12504	End	12860
GI	none	Score	92
Exons	12504..12860, 12505..12729		

Seq. No.	18606	Seq. ID	OJ990426_22.9924.C18
Gene No.	39118	Strand	-
Start	14997	End	16495
Name	OJ990426_22.9924.C18.o4.gs	Method	GENSCAN
Start	14997	End	16495
GI	none	Score	.79
Exons	14997..15214, 16172..16193, 16310..16495		

Seq. No.	18607	Seq. ID	OJ990416_11.9923.C1
Gene No.	39119	Strand	-
Start	393	End	546
Name	OJ990416_11.9923.C1.o1.gs	Method	GENSCAN
Start	393	End	546
GI	none	Score	.65
Exons	393..442, 501..546		

Seq. No.	18608	Seq. ID	OJ990416_11.9923.C4
Gene No.	39120	Strand	-
Start	1	End	706
Name	OJ990416_11.9923.C4.o1.np	Method	AAT/NAP
Start	1	End	706
GI	4733937	Score	120
Exons	1..321, 683..706		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	18608	Seq. ID	OJ990416_11.9923.C4
Gene No.	39120	Strand	-
Start	1	End	706
Name	OJ990416_11.9923.C4.o1.gs	Method	GENSCAN
Start	70	End	321
GI	none	Score	.58
Exons	70..321		

Seq. No.	18608	Seq. ID	OJ990416_11.9923.C4
Gene No.	39120	Strand	-
Start	1	End	706
Name	OJ990416_11.9923.C4.o1.tm	Method	TBLASTX:Maize
Start	70	End	327
GI	none	Score	166
Exons	70..318, 74..313, 82..327		

Seq. No.	18609	Seq. ID	OJ990416_11.9923.C6
Gene No.	39121	Strand	+
Start	885	End	1020
Name	OJ990416_11.9923.C6.o1.gs	Method	GENSCAN
Start	885	End	1020
GI	none	Score	.53
Exons	885..1020		

Seq. No.	18610	Seq. ID	OJ990416_11.9923.C8
Gene No.	39122	Strand	-
Start	433	End	710
Name	OJ990416_11.9923.C8.o1.gp	Method	AAT/GAP
Start	433	End	710
GI	none	Score	363
Exons	433..710		

Seq. No.	18611	Seq. ID	OJ990416_11.9923.C9
Gene No.	39123	Strand	-
Start	392	End	572
Name	OJ990416_11.9923.C9.o1.gs	Method	GENSCAN
Start	392	End	572
GI	none	Score	.87
Exons	392..572		

Seq. No.	18612	Seq. ID	OJ990416_11.9923.C12
Gene No.	39124	Strand	-
Start	47	End	180
Name	OJ990416_11.9923.C12.o1.gs	Method	GENSCAN
Start	47	End	180
GI	none	Score	.82
Exons	47..180		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o5.tm	Method	TBLASTX:Maize
Start	538	End	684
GI	none	Score	127
Exons	538..684, 539..679		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o1.gs	Method	GENSCAN
Start	541	End	6193
GI	none	Score	.5
Exons	541..1434, 1483..4269, 4333..6193		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o1.np	Method	AAT/NAP
Start	544	End	6190
GI	6498441	Score	6735
Exons	544..825, 919..2316, 2488..2958, 3151..3403, 3578..3712, 3896..4269, 4333..4796, 5127..6190		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o7.tw	Method	TBLASTX:Wheat
Start	553	End	1155
GI	none	Score	83
Exons	553..678, 557..679, 871..1155, 872..1150		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o4.tw	Method	TBLASTX:Wheat

Start	1156	End	1537
GI	none	Score	165
Exons	1156..1536, 1187..1435, 1481..1537		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o3.tm	Method	TBLASTX:Maize
Start	1351	End	1674
GI	none	Score	201
Exons	1351..1674, 1364..1657		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o8.tw	Method	TBLASTX:Wheat
Start	1867	End	2179
GI	none	Score	66
Exons	1867..2127, 2003..2179		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o2.ts	Method	TBLASTX:Soybean
Start	1927	End	2493
GI	5666795	Score	68
Exons	1927..2127, 2182..2319, 2395..2493		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o5.tw	Method	TBLASTX:Wheat
Start	2182	End	5642
GI	none	Score	87
Exons	2182..2331, 2183..2320, 2185..2322, 2378..2551, 2392..2640, 2392..2616, 5589..5642		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o1.ts	Method	TBLASTX:Soybean
Start	3241	End	3612
GI	none	Score	90
Exons	3241..3612, 3452..3595		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o2.tw	Method	TBLASTX:Wheat
Start	3266	End	3690
GI	none	Score	323
Exons	3266..3685, 3277..3690		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193

Name	OJ990416_11.9923.C14.o2.tm	Method	TBLASTX:Maize
Start	3364	End	3748
GI	none	Score	221
Exons	3364..3747, 3383..3748		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o1.tm	Method	TBLASTX:Maize
Start	3775	End	4131
GI	none	Score	104
Exons	3775..4008, 3775..4131, 3785..4096		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o1.tw	Method	TBLASTX:Wheat
Start	3799	End	4262
GI	none	Score	406
Exons	3799..4260, 3800..4261, 3819..4262		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o3.ts	Method	TBLASTX:Soybean
Start	3856	End	4221
GI	none	Score	118
Exons	3856..3990, 3997..4221		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o3.tw	Method	TBLASTX:Wheat
Start	4426	End	4912
GI	none	Score	172
Exons	4426..4911, 4430..4717, 4750..4911, 4775..4912		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o6.tw	Method	TBLASTX:Wheat
Start	5650	End	6042
GI	none	Score	89
Exons	5650..5907, 5684..5923, 5890..5988, 5891..5971, 5995..6042		

Seq. No.	18613	Seq. ID	OJ990416_11.9923.C14
Gene No.	39125	Strand	-
Start	541	End	6193
Name	OJ990416_11.9923.C14.o4.tm	Method	TBLASTX:Maize
Start	5752	End	6037
GI	none	Score	103
Exons	5752..6000, 5753..6037		

Seq. No.	18614	Seq. ID	OJ990416_11.9923.C15
Gene No.	39126	Strand	+
Start	351	End	525
Name	OJ990416_11.9923.C15.o1.np	Method	AAT/NAP

Start	351	End	525
GI	6063554	Score	138
Exons	351..525		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18614	Seq. ID	OJ990416_11.9923.C15
Gene No.	39127	Strand	-
Start	360	End	5895
Name	OJ990416_11.9923.C15.o1.gs	Method	GENSCAN
Start	360	End	5895
GI	none	Score	.58
Exons	360..632, 1491..1748, 1978..2229, 3037..3196, 3897..4260, 4343..4595, 5755..5895		

Seq. No.	18614	Seq. ID	OJ990416_11.9923.C15
Gene No.	39127	Strand	-
Start	360	End	5895
Name	OJ990416_11.9923.C15.o1.gp	Method	AAT/GAP
Start	894	End	1147
GI	61605_3.R1084	Score	422
Exons	894..1147		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	18614	Seq. ID	OJ990416_11.9923.C15
Gene No.	39127	Strand	-
Start	360	End	5895
Name	OJ990416_11.9923.C15.o2.np	Method	AAT/NAP
Start	1458	End	5892
GI	3287826	Score	685
Exons	1458..1748, 1978..2229, 3061..3196, 3579..3797, 3897..4260, 4343..4588, 5754..5892		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE ISOZYME C2 (D-CADINENE SYNTHASE) gi|2879841|emb|CAA76223.1| (Y16432) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	18614	Seq. ID	OJ990416_11.9923.C15
Gene No.	39128	Strand	-
Start	9473	End	9972
Name	OJ990416_11.9923.C15.o2.tm	Method	TBLASTX:Maize
Start	1437	End	2116
GI	none	Score	99
Exons	1437..1598, 1438..1599, 1605..1751, 1606..1749, 1634..1750, 1978..2112, 1982..2116		

Seq. No.	18614	Seq. ID	OJ990416_11.9923.C15
Gene No.	39128	Strand	-
Start	9473	End	9972
Name	OJ990416_11.9923.C15.o1.ts	Method	TBLASTX:Soybean
Start	3103	End	4075
GI	none	Score	100
Exons	3103..3171, 3584..3796, 3899..4075		

Seq. No.	18614	Seq. ID	OJ990416_11.9923.C15
Gene No.	39128	Strand	-

Start	9473	End	9972
Name	OJ990416_11.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	3578	End	5832
GI	none	Score	81
Exons	3578..3691, 3704..3796, 3896..4102, 3951..4079, 4100..4264, 4344..4406, 4410..4511, 5752..5832		

Seq. No.	18614	Seq. ID	OJ990416_11.9923.C15
Gene No.	39128	Strand	-
Start	9473	End	9972
Name	OJ990416_11.9923.C15.o2.gp	Method	AAT/GAP
Start	9473	End	9972
GI	none	Score	619
Exons	9473..9722, 9855..9972		

Seq. No.	18615	Seq. ID	OJ990416_11.9923.C17
Gene No.	39129	Strand	-
Start	81	End	1451
Name	OJ990416_11.9923.C17.o1.gs	Method	GENSCAN
Start	81	End	738
GI	none	Score	.66
Exons	81..374, 487..738		

Seq. No.	18615	Seq. ID	OJ990416_11.9923.C17
Gene No.	39129	Strand	-
Start	81	End	1451
Name	OJ990416_11.9923.C17.o1.np	Method	AAT/NAP
Start	84	End	1451
GI	5921217	Score	188
Exons	84..374, 487..734, 1394..1451		
GI Descrip.	(AJ249561) putative sesquiterpene cyclase [Artemisia annua]		

Seq. No.	18615	Seq. ID	OJ990416_11.9923.C17
Gene No.	39129	Strand	-
Start	81	End	1451
Name	OJ990416_11.9923.C17.o1.tm	Method	TBLASTX:Maize
Start	93	End	615
GI	none	Score	96
Exons	93..218, 94..228, 226..375, 227..376, 234..377, 487..615, 492..539, 499..597		

Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39130	Strand	+
Start	4344	End	4424
Name	OJ990416_11.9923.C18.o1.gp	Method	AAT/GAP
Start	4344	End	4424
GI	38012_1.R1084	Score	101
Exons	4344..4424		
GI Descrip:	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39131	Strand	+
Start	5488	End	8702
Name	OJ990416_11.9923.C18.o3.np	Method	AAT/NAP
Start	5488	End	8702
GI	6498436	Score	65

Exons	5488..5534, 7318..7511, 8666..8702		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39132	Strand	+
Start	16074	End	19300
Name	OJ990416_11.9923.C18.o5.np	Method	AAT/NAP
Start	16074	End	19300
GI	5852093	Score	105
Exons	16074..16169, 17454..17560, 19274..19300		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39133	Strand	-
Start	1	End	3798
Name	OJ990416_11.9923.C18.o1.np	Method	AAT/NAP
Start	1	End	3798
GI	5802576	Score	503
Exons	1..49, 1887..2100, 2191..2554, 3028..3280, 3667..3798		
GI Descrip.	(AF174294) (+)-delta-cadinene sythase [Gossypium arboreum]		
Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39133	Strand	-
Start	1	End	3798
Name	OJ990416_11.9923.C18.o1.gs	Method	GENSCAN
Start	501	End	3783
GI	none	Score	.77
Exons	501..636, 1882..2100, 2191..2554, 3028..3280, 3661..3783		
Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39134	Strand	-
Start	6210	End	15556
Name	OJ990416_11.9923.C18.o2.np	Method	AAT/NAP
Start	4516	End	7010
GI	6498423	Score	242
Exons	4516..4623, 6169..6290, 6339..6437, 6618..7010		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39134	Strand	-
Start	6210	End	15556
Name	OJ990416_11.9923.C18.o2.gs	Method	GENSCAN
Start	6210	End	15545
GI	none	Score	.67
Exons	6210..7035, 7810..8002, 10745..10946, 11052..11303, 11873..12008, 13307..13525, 13616..13979, 14525..14777, 15381..15545		
Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39134	Strand	-
Start	6210	End	15556
Name	OJ990416_11.9923.C18.o4.np	Method	AAT/NAP
Start	10653	End	15556
GI	5802576	Score	656
Exons	10653..10939, 11048..11305, 13308..13525, 13616..13979, 14525..14800, 15447..15556		
GI Descrip.	(AF174294) (+)-delta-cadinene sythase [Gossypium arboreum]		

Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39135	Strand	-
Start	18992	End	19442
Name	OJ990416_11.9923.C18.o1.ts	Method	TBLASTX:Soybean
Start	1876	End	13794
GI	none	Score	88
Exons	1876..2058, 1887..2099, 2190..2369, 13301..13525, 13312..13524, 13618..13794		

Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39135	Strand	-
Start	18992	End	19442
Name	OJ990416_11.9923.C18.o1.tm	Method	TBLASTX:Maize
Start	1887	End	14693
GI	none	Score	72
Exons	1887..1994, 1995..2126, 1995..2099, 2142..2375, 2160..2402, 2161..2403, 2365..2556, 2394..2558, 3017..3091, 3095..3196, 3655..3795, 13312..13419, 13420..13524, 13420..13524, 13618..13797, 13618..13827, 13790..13993, 13819..13989, 14526..14588, 14592..14693		

Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39135	Strand	-
Start	18992	End	19442
Name	OJ990416_11.9923.C18.o2.tm	Method	TBLASTX:Maize
Start	10651	End	11190
GI	none	Score	96
Exons	10651..10755, 10662..10784, 10662..10787, 10802..10909, 10803..10910, 10806..10946, 11052..11180, 11053..11184, 11056..11190		

Seq. No.	18616	Seq. ID	OJ990416_11.9923.C18
Gene No.	39135	Strand	-
Start	18992	End	19442
Name	OJ990416_11.9923.C18.o3.gs	Method	GENSCAN
Start	18992	End	19442
GI	none	Score	.48
Exons	18992..19060, 19369..19442		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39136	Strand	+
Start	8730	End	16569
Name	OJ990416_11.9923.C19.o2.np	Method	AAT/NAP
Start	8635	End	12873
GI	6957728	Score	279
Exons	8635..9014, 12628..12873		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39136	Strand	+
Start	8730	End	16569
Name	OJ990416_11.9923.C19.o3.gs	Method	GENSCAN
Start	8730	End	9505
GI	none	Score	.92
Exons	8730..9004, 9487..9505		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39136	Strand	+
Start	8730	End	16569
Name	OJ990416_11.9923.C19.o4.gs	Method	GENSCAN
Start	10296	End	11341
GI	none	Score	.92
Exons	10296..10346, 11258..11341		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39136	Strand	+
Start	8730	End	16569
Name	OJ990416_11.9923.C19.o3.np	Method	AAT/NAP
Start	12618	End	16569
GI	6957728	Score	509
Exons	12618..13033, 13099..13875, 16440..16569		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39137	Strand	-
Start	4283	End	5927
Name	OJ990416_11.9923.C19.o2.gs	Method	GENSCAN
Start	4283	End	5927
GI	none	Score	.83
Exons	4283..4489, 4597..4805, 4894..5160, 5717..5927		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39137	Strand	-
Start	4283	End	5927
Name	OJ990416_11.9923.C19.o1.np	Method	AAT/NAP
Start	4298	End	5927
GI	3738303	Score	621
Exons	4298..4489, 4597..4795, 4878..5028, 5717..5927		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39138	Strand	-
Start	17242	End	17320
Name	OJ990416_11.9923.C19.o1.tc	Method	TBLASTX:Cress
Start	4307	End	4674
GI	none	Score	112
Exons	4307..4492, 4359..4490, 4615..4674, 4616..4672		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39138	Strand	-
Start	17242	End	17320
Name	OJ990416_11.9923.C19.o1.tm	Method	TBLASTX:Maize
Start	4349	End	5823
GI	none	Score	159
Exons	4349..4492, 4353..4490, 4522..4806, 4594..4791, 4599..4808, 4883..5029, 4890..4997, 4892..5029, 5718..5822, 5728..5823		

Seq. No.	18617	Seq. ID	OJ990416_11.9923.C19
Gene No.	39138	Strand	-
Start	17242	End	17320
Name	OJ990416_11.9923.C19.o6.gs	Method	GENSCAN
Start	17242	End	17320
GI	none	Score	.53

Exons	17242..17320		
Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39139	Strand	+
Start	772	End	2646
Name	OJ990416_11.9923.C20.o1.gs	Method	GENSCAN
Start	772	End	2646
GI	none	Score	.62
Exons	772..929, 999..1407, 2602..2646		
Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39140	Strand	-
Start	1	End	2241
Name	OJ990416_11.9923.C20.o2.np	Method	AAT/NAP
Start	1	End	2241
GI	6721547	Score	88
Exons	1..35, 976..1055, 2157..2241		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39140	Strand	-
Start	1	End	2241
Name	OJ990416_11.9923.C20.o1.np	Method	AAT/NAP
Start	894	End	1184
GI	6553904	Score	73
Exons	894..1184		
GI Descrip.	(AC012563) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39141	Strand	-
Start	4661	End	5287
Name	OJ990416_11.9923.C20.o1.gp	Method	AAT/GAP
Start	4256	End	4824
GI	none	Score	997
Exons	4256..4824		
Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39141	Strand	-
Start	4661	End	5287
Name	OJ990416_11.9923.C20.o3.np	Method	AAT/NAP
Start	4655	End	5287
GI	4972067	Score	506
Exons	4655..5287		
GI Descrip.	(AL078467) putative protei [Arabidopsis thaliana]		
Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39141	Strand	-
Start	4661	End	5287
Name	OJ990416_11.9923.C20.o2.gs	Method	GENSCAN
Start	4661	End	5234
GI	none	Score	.67
Exons	4661..4987, 4998..5234		
Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39141	Strand	-
Start	4661	End	5287
Name	OJ990416_11.9923.C20.o1.tc	Method	TBLASTX:Cress

Start	4664	End	5286
GI	none	Score	112
Exons	4664..4807, 4838..4993, 4851..4991, 4992..5120, 5124..5285, 5125..5286, 5203..5286		

Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39141	Strand	-
Start	4661	End	5287
Name	OJ990416_11.9923.C20.o1.tm	Method	TBLASTX:Maize
Start	4670	End	5286
GI	none	Score	69
Exons	4670..4741, 4844..4993, 4896..4985, 4992..5285, 5122..5286		

Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39141	Strand	-
Start	4661	End	5287
Name	OJ990416_11.9923.C20.o1.ts	Method	TBLASTX:Soybean
Start	4670	End	5285
GI	none	Score	202
Exons	4670..4780, 4844..4993, 4992..5027, 5100..5285		

Seq. No.	18618	Seq. ID	OJ990416_11.9923.C20
Gene No.	39141	Strand	-
Start	4661	End	5287
Name	OJ990416_11.9923.C20.o1.tw	Method	TBLASTX:Wheat
Start	5079	End	5286
GI	none	Score	217
Exons	5079..5285, 5110..5286		

Seq. No.	18619	Seq. ID	OJ990416_11.9923.C21
Gene No.	39142	Strand	+
Start	51	End	548
Name	OJ990416_11.9923.C21.o1.gs	Method	GENSCAN
Start	51	End	548
GI	none	Score	.9
Exons	51..548		

Seq. No.	18620	Seq. ID	OJ990416_11.9923.C22
Gene No.	39143	Strand	+
Start	367	End	629
Name	OJ990416_11.9923.C22.o1.gs	Method	GENSCAN
Start	367	End	629
GI	none	Score	.68
Exons	367..494, 530..629		

Seq. No.	18620	Seq. ID	OJ990416_11.9923.C22
Gene No.	39144	Strand	-
Start	317	End	638
Name	OJ990416_11.9923.C22.o1.gp	Method	AAT/GAP
Start	317	End	638
GI	none	Score	618
Exons	317..638		

Seq. No.	18621	Seq. ID	OJ990416_11.9923.C23
Gene No.	39145	Strand	-
Start	1107	End	1328
Name	OJ990416_11.9923.C23.o1.gs	Method	GENSCAN

Start	1107	End	1328
GI	none	Score	.64
Exons	1107..1328		

Seq. No.	18622	Seq. ID	OJ990416_11.9923.C24
Gene No.	39146	Strand	-
Start	1111	End	1353
Name	OJ990416_11.9923.C24.o1.gs	Method	GENSCAN
Start	1111	End	1353
GI	none	Score	.58
Exons	1111..1203, 1213..1353		

Seq. No.	18623	Seq. ID	OJ990416_11.9923.C25
Gene No.	39147	Strand	-
Start	83	End	1353
Name	OJ990416_11.9923.C25.o1.gs	Method	GENSCAN
Start	83	End	1343
GI	none	Score	.9
Exons	83..184, 246..389, 605..797, 877..945, 1240..1343		

Seq. No.	18623	Seq. ID	OJ990416_11.9923.C25
Gene No.	39147	Strand	-
Start	83	End	1353
Name	OJ990416_11.9923.C25.o1.np	Method	AAT/NAP
Start	90	End	1350
GI	6630556	Score	336
Exons	90..389, 605..797, 889..945, 1240..1350		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18623	Seq. ID	OJ990416_11.9923.C25
Gene No.	39147	Strand	-
Start	83	End	1353
Name	OJ990416_11.9923.C25.o1.tm	Method	TBLASTX:Maize
Start	234	End	1346
GI	none	Score	124
Exons	234..392, 238..387, 600..797, 602..799, 603..800, 604..801, 882..944, 883..948, 884..949, 891..944, 1240..1335, 1242..1346		

Seq. No.	18623	Seq. ID	OJ990416_11.9923.C25
Gene No.	39147	Strand	-
Start	83	End	1353
Name	OJ990416_11.9923.C25.o1.ts	Method	TBLASTX:Soybean
Start	234	End	1353
GI	none	Score	98
Exons	234..311, 333..392, 629..796, 633..800, 705..803, 883..948, 891..944, 1240..1335, 1242..1346, 1255..1353		

Seq. No.	18623	Seq. ID	OJ990416_11.9923.C25
Gene No.	39147	Strand	-
Start	83	End	1353
Name	OJ990416_11.9923.C25.o1.tw	Method	TBLASTX:Wheat
Start	602	End	951
GI	none	Score	221
Exons	602..799, 606..800, 606..803, 610..801, 882..950, 886..936, 891..944, 895..951		

Seq. No.	18624	Seq. ID	OJ990416_11.9923.C26
Gene No.	39148	Strand	-
Start	13	End	128
Name	OJ990416_11.9923.C26.o1.gs	Method	GENSCAN
Start	13	End	128
GI	none	Score	.68
Exons	13..128		

Seq. No.	18625	Seq. ID	OJ990416_11.9923.C27
Gene No.	39149	Strand	+
Start	187	End	330
Name	OJ990416_11.9923.C27.o1.gs	Method	GENSCAN
Start	187	End	330
GI	none	Score	.51
Exons	187..330		

Seq. No.	18626	Seq. ID	OJ990416_11.9923.C28
Gene No.	39150	Strand	-
Start	303	End	648
Name	OJ990416_11.9923.C28.o1.gs	Method	GENSCAN
Start	303	End	648
GI	none	Score	.95
Exons	303..383, 631..648		

Seq. No.	18627	Seq. ID	OJ990416_11.9923.C29
Gene No.	39151	Strand	-
Start	1	End	740
Name	OJ990416_11.9923.C29.o1.np	Method	AAT/NAP
Start	1	End	740
GI	5042454	Score	1205
Exons	1..740		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	18627	Seq. ID	OJ990416_11.9923.C29
Gene No.	39151	Strand	-
Start	1	End	740
Name	OJ990416_11.9923.C29.o1.gs	Method	GENSCAN
Start	16	End	722
GI	none	Score	.92
Exons	16..722		

Seq. No.	18628	Seq. ID	OJ990416_11.9923.C32
Gene No.	39152	Strand	+
Start	1	End	253
Name	OJ990416_11.9923.C32.o1.np	Method	AAT/NAP
Start	1	End	253
GI	6721516	Score	100
Exons	1..253		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	18629	Seq. ID	OJ990416_11.9923.C33
Gene No.	39153	Strand	-
Start	1	End	233
Name	OJ990416_11.9923.C33.o1.gp	Method	AAT/GAP
Start	1	End	233
GI	LIB3434-035-P1-K1-A7	Score	404
Exons	1..233		

GI Descrip. '5441876/dbj|AP000367.1|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	18630	Seq. ID	OJ990416_11.9923.C34
Gene No.	39154	Strand	+
Start	316	End	504
Name	OJ990416_11.9923.C34.o1.np	Method	AAT/NAP
Start	316	End	504
GI	5107819	Score	114
Exons	316..385, 461..504		
GI Descrip.	(AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	18631	Seq. ID	OJ990416_11.9923.C35
Gene No.	39155	Strand	+
Start	1	End	796
Name	OJ990416_11.9923.C35.o1.gp	Method	AAT/GAP
Start	1	End	796
GI	14187_1.R1084	Score	1072
Exons	1..218, 302..445, 558..796		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	18631	Seq. ID	OJ990416_11.9923.C35
Gene No.	39155	Strand	+
Start	1	End	796
Name	OJ990416_11.9923.C35.o1.np	Method	AAT/NAP
Start	1	End	713
GI	6630556	Score	292
Exons	1..221, 305..445, 558..713		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18631	Seq. ID	OJ990416_11.9923.C35
Gene No.	39155	Strand	+
Start	1	End	796
Name	OJ990416_11.9923.C35.o1.tw	Method	TBLASTX:Wheat
Start	11	End	230
GI	none	Score	175
Exons	11..187, 23..229, 27..230		

Seq. No.	18631	Seq. ID	OJ990416_11.9923.C35
Gene No.	39155	Strand	+
Start	1	End	796
Name	OJ990416_11.9923.C35.o1.ts	Method	TBLASTX:Soybean
Start	20	End	400
GI	none	Score	193
Exons	20..202, 24..200, 70..201, 296..400, 307..399		

Seq. No.	18631	Seq. ID	OJ990416_11.9923.C35
Gene No.	39155	Strand	+
Start	1	End	796
Name	OJ990416_11.9923.C35.o1.tm	Method	TBLASTX:Maize
Start	23	End	680
GI	none	Score	318
Exons	23..229, 27..230, 27..251, 252..446, 295..447, 296..451, 500..679, 549..680		

Seq. No.	18631	Seq. ID	OJ990416_11.9923.C35
Gene No.	39155	Strand	+
Start	1	End	796
Name	OJ990416_11.9923.C35.o1.tc	Method	TBLASTX:Cress
Start	24	End	662
GI	none	Score	142
Exons	24..173, 26..121, 153..239, 296..406, 367..438, 377..445, 530..643, 549..662		

Seq. No.	18631	Seq. ID	OJ990416_11.9923.C35
Gene No.	39155	Strand	+
Start	1	End	796
Name	OJ990416_11.9923.C35.o1.gs	Method	GENSCAN
Start	302	End	680
GI	none	Score	.6
Exons	302..445, 558..680		

Seq. No.	18632	Seq. ID	OJ990416_11.9923.C36
Gene No.	39156	Strand	+
Start	66	End	325
Name	OJ990416_11.9923.C36.o1.np	Method	AAT/NAP
Start	66	End	325
GI	227787	Score	79
Exons	66..325		
GI Descrip.	CF1 ATPase:SUBUNIT=epsilon [Sorghum sp.]		

Seq. No.	18633	Seq. ID	OJ990416_11.9923.C38
Gene No.	39157	Strand	-
Start	1	End	544
Name	OJ990416_11.9923.C38.o1.np	Method	AAT/NAP
Start	1	End	544
GI	5042454	Score	162
Exons	1..134, 483..544		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	18633	Seq. ID	OJ990416_11.9923.C38
Gene No.	39157	Strand	-
Start	1	End	544
Name	OJ990416_11.9923.C38.o1.gs	Method	GENSCAN
Start	24	End	153
GI	none	Score	.87
Exons	24..153		

Seq. No.	18634	Seq. ID	OJ990416_11.9923.C42
Gene No.	39158	Strand	+
Start	374	End	643
Name	OJ990416_11.9923.C42.o1.gs	Method	GENSCAN
Start	374	End	643
GI	none	Score	.53
Exons	374..643		

Seq. No.	18635	Seq. ID	OJ990416_11.9923.C43
Gene No.	39159	Strand	+
Start	154	End	577
Name	OJ990416_11.9923.C43.o1.tm	Method	TBLASTX:Maize
Start	148	End	372

GI	none	Score	306
Exons	148..372, 150..371, 166..372		
Seq. No.	18635	Seq. ID	OJ990416_11.9923.C43
Gene No.	39159	Strand	+
Start	154	End	577
Name	OJ990416_11.9923.C43.o1.gs	Method	GENSCAN
Start	154	End	577
GI	none	Score	.42
Exons	154..387, 500..577		
Seq. No.	18636	Seq. ID	OJ990416_11.9923.C45
Gene No.	39160	Strand	-
Start	647	End	721
Name	OJ990416_11.9923.C45.o1.gs	Method	GENSCAN
Start	647	End	721
GI	none	Score	.66
Exons	647..721		
Seq. No.	18637	Seq. ID	OJ990416_11.9923.C46
Gene No.	39161	Strand	-
Start	1	End	330
Name	OJ990416_11.9923.C46.o1.gp	Method	AAT/GAP
Start	1	End	330
GI	none	Score	636
Exons	1..330		
Seq. No.	18638	Seq. ID	OJ990416_11.9923.C47
Gene No.	39162	Strand	-
Start	536	End	1729
Name	OJ990416_11.9923.C47.o1.gs	Method	GENSCAN
Start	536	End	1729
GI	none	Score	.42
Exons	536..648, 789..821, 1167..1338, 1625..1729		
Seq. No.	18638	Seq. ID	OJ990416_11.9923.C47
Gene No.	39163	Strand	
Start	1943	End	2304
Name	OJ990416_11.9923.C47.o1.tw	Method	TBLASTX:Wheat
Start	1943	End	2304
GI	none	Score	57
Exons	1943..2047, 1944..2042, 2043..2186, 2056..2187, 2194..2304		
Seq. No.	18639	Seq. ID	OJ990416_11.9923.C50
Gene No.	39164	Strand	-
Start	1	End	306
Name	OJ990416_11.9923.C50.o1.np	Method	AAT/NAP
Start	1	End	306
GI	5852179	Score	169
Exons	1..306		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	18639	Seq. ID	OJ990416_11.9923.C50
Gene No.	39164	Strand	-
Start	1	End	306
Name	OJ990416_11.9923.C50.o1.gs	Method	GENSCAN
Start	86	End	181

GI	none	Score	.65
Exons	86..181		

Seq. No.	18640	Seq. ID	OJ990416_11.9923.C51
Gene No.	39165	Strand	+
Start	1	End	603
Name	OJ990416_11.9923.C51.o1.np	Method	AAT/NAP
Start	1	End	603
GI	6498441	Score	963
Exons	1..603		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	18640	Seq. ID	OJ990416_11.9923.C51
Gene No.	39165	Strand	+
Start	1	End	603
Name	OJ990416_11.9923.C51.o1.gs	Method	GENSCAN
Start	44	End	562
GI	none	Score	.61
Exons	44..562		

Seq. No.	18640	Seq. ID	OJ990416_11.9923.C51
Gene No.	39165	Strand	+
Start	1	End	603
Name	OJ990416_11.9923.C51.o1.tw	Method	TBLASTX:Wheat
Start	52	End	373
GI	none	Score	192
Exons	52..237, 113..373		

Seq. No.	18641	Seq. ID	OJ990416_11.9923.C52
Gene No.	39166	Strand	-
Start	583	End	2062
Name	OJ990416_11.9923.C52.o2.gs	Method	GENSCAN
Start	583	End	2005
GI	none	Score	.91
Exons	583..2005		

Seq. No.	18641	Seq. ID	OJ990416_11.9923.C52
Gene No.	39166	Strand	-
Start	583	End	2062
Name	OJ990416_11.9923.C52.o1.np	Method	AAT/NAP
Start	586	End	2062
GI	6907089	Score	1837
Exons	586:.2062		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18642	Seq. ID	OJ990416_11.9923.C53
Gene No.	39167	Strand	+
Start	2750	End	3700
Name	OJ990416_11.9923.C53.o2.gs	Method	GENSCAN
Start	2750	End	3700
GI	none	Score	.51
Exons	2750..2827, 3575..3700		

Seq. No.	18642	Seq. ID	OJ990416_11.9923.C53
Gene No.	39168	Strand	-

Start	1	End	6587
Name	OJ990416_11.9923.C53.o1.np	Method	AAT/NAP
Start	1	End	1586
GI	5803259	Score	2249
Exons	1..231, 325..1586		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	18642	Seq. ID	OJ990416_11.9923.C53
Gene No.	39168	Strand	-
Start	1	End	6587
Name	OJ990416_11.9923.C53.o1.gs	Method	GENSCAN
Start	78	End	1586
GI	none	Score	.95
Exons	78..231, 325..1586		

Seq. No.	18642	Seq. ID	OJ990416_11.9923.C53
Gene No.	39168	Strand	-
Start	1	End	6587
Name	OJ990416_11.9923.C53.o2.np	Method	AAT/NAP
Start	798	End	3283
GI	5922623	Score	294
Exons	798..845, 2421..2496, 2663..2810, 3203..3283		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	18642	Seq. ID	OJ990416_11.9923.C53
Gene No.	39168	Strand	-
Start	1	End	6587
Name	OJ990416_11.9923.C53.o3.np	Method	AAT/NAP
Start	2292	End	6587
GI	6063554	Score	248
Exons	2292..2312, 3644..3671, 3998..4216, 4334..4627, 6464..6587		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18643	Seq. ID	OJ990416_11.9923.C54
Gene No.	39169	Strand	-
Start	387	End	1112
Name	OJ990416_11.9923.C54.o1.gs	Method	GENSCAN
Start	387	End	1112
GI	none	Score	.98
Exons	387..496, 1034..1112		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39170	Strand	+
Start	5012	End	5545
Name	OJ990416_11.9923.C55.o2.gs	Method	GENSCAN
Start	5012	End	5545
GI	none	Score	.97
Exons	5012..5545		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39171	Strand	+
Start	7621	End	10976
Name	OJ990416_11.9923.C55.o3.gs	Method	GENSCAN

Start	7621	End	10976
GI	none	Score	.43
Exons	7621..7719, 8900..9029, 10039..10976		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39172	Strand	+
Start	14571	End	18167
Name	OJ990416_11.9923.C55.o1.np	Method	AAT/NAP
Start	14571	End	18167
GI	5922631	Score	2490
Exons	14571..14695, 14954..15199, 15458..15664, 15710..16274, 16317..16770, 17377..18167		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39172	Strand	+
Start	14571	End	18167
Name	OJ990416_11.9923.C55.o5.gs	Method	GENSCAN
Start	14571	End	17393
GI	none	Score	.51
Exons	14571..15237, 15442..16033, 16061..16762, 16859..17132, 17229..17393		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o1.tm	Method	TBLASTX:Maize
Start	2268	End	5466
GI	none	Score	292
Exons	2268..2396, 2269..2580, 2542..2583, 2619..2744, 2620..2742, 5009..5323, 5011..5145, 5261..5323, 5324..5464, 5347..5466		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o1.tc	Method	TBLASTX:Cress
Start	2275	End	10828
GI	none	Score	134
Exons	2275..2397, 2280..2396, 2620..2790, 4987..5007, 5018..5140, 5023..5145, 5192..5323, 5342..5506, 10038..10079, 10073..10225, 10074..10298, 10340..10525, 10347..10526, 10542..10817, 10601..10828		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o1.ts	Method	TBLASTX:Soybean
Start	2275	End	10819
GI	none	Score	143
Exons	2275..2397, 2277..2393, 2620..2790, 5018..5140, 5020..5136, 5192..5239, 5342..5506, 10038..10079, 10080..10298,		

10340..10525, 10347..10535, 10350..10529, 10542..10817, 10601..10819

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o2.tm	Method	TBLASTX:Maize
Start	10374	End	10819
GI	none	Score	173
Exons	10374..10547, 10406..10525, 10542..10817, 10604..10819		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o3.tw	Method	TBLASTX:Wheat
Start	10380	End	10780
GI	none	Score	143
Exons	10380..10526, 10383..10514, 10385..10525, 10557..10778, 10598..10780		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o5.tw	Method	TBLASTX:Wheat
Start	15878	End	16280
GI	none	Score	274
Exons	15878..16186, 15879..16280		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o1.tw	Method	TBLASTX:Wheat
Start	16787	End	17243
GI	none	Score	486
Exons	16787..17242, 16788..17243		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o3.ts	Method	TBLASTX:Soybean
Start	16827	End	17192
GI	none	Score	135
Exons	16827..17051, 17061..17192		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o3.tm	Method	TBLASTX:Maize
Start	16917	End	17273
GI	none	Score	365
Exons	16917..17273, 16958..17263		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o2.tw	Method	TBLASTX:Wheat
Start	17358	End	17782

GI	none	Score	414
Exons	17358..17777, 17402..17782		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o2.ts	Method	TBLASTX:Soybean
Start	17406	End	17837
GI	none	Score	283
Exons	17406..17837, 17453..17596		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o4.tm	Method	TBLASTX:Maize
Start	17504	End	17952
GI	none	Score	248
Exons	17504..17758, 17505..17759, 17505..17762, 17780..17911, 17781..17924, 17920..17952		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o6.gs	Method	GENSCAN
Start	17585	End	18054
GI	none	Score	.95
Exons	17585..17698, 17995..18054		

Seq. No.	18644	Seq. ID	OJ990416_11.9923.C55
Gene No.	39173	Strand	-
Start	17585	End	18102
Name	OJ990416_11.9923.C55.o4.tw	Method	TBLASTX:Wheat
Start	17787	End	18102
GI	none	Score	145
Exons	17787..17930, 17796..17894, 17917..18102, 17980..18087		

Seq. No.	18645	Seq. ID	OJ990416_11.9923.C56
Gene No.	39174	Strand	+
Start	1	End	847
Name	OJ990416_11.9923.C56.o1.np	Method	AAT/NAP
Start	1	End	847
GI	5902445	Score	1331
Exons	1..847		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18645	Seq. ID	OJ990416_11.9923.C56
Gene No.	39174	Strand	+
Start	1	End	847
Name	OJ990416_11.9923.C56.o2.tw	Method	TBLASTX:Wheat
Start	6	End	261
GI	none	Score	104
Exons	6..116, 6..80, 103..258, 166..261		

Seq. No.	18645	Seq. ID	OJ990416_11.9923.C56
Gene No.	39174	Strand	+
Start	1	End	847
Name	OJ990416_11.9923.C56.o1.gs	Method	GENSCAN

Start	168	End	735
GI	none	Score	.61
Exons	168..735		

Seq. No.	18645	Seq. ID	OJ990416_11.9923.C56
Gene No.	39174	Strand	+
Start	1	End	847
Name	OJ990416_11.9923.C56.o1.ts	Method	TBLASTX:Soybean
Start	253	End	641
GI	none	Score	87
Exons	253..357, 261..347, 393..641, 397..639		

Seq. No.	18645	Seq. ID	OJ990416_11.9923.C56
Gene No.	39174	Strand	+
Start	1	End	847
Name	OJ990416_11.9923.C56.o1.tw	Method	TBLASTX:Wheat
Start	262	End	684
GI	none	Score	409
Exons	262..684, 267..608		

Seq. No.	18645	Seq. ID	OJ990416_11.9923.C56
Gene No.	39174	Strand	+
Start	1	End	847
Name	OJ990416_11.9923.C56.o1.tm	Method	TBLASTX:Maize
Start	316	End	588
GI	none	Score	122
Exons	316..486, 490..588		

Seq. No.	18646	Seq. ID	OJ990416_11.9923.C58
Gene No.	39175	Strand	-
Start	164	End	411
Name	OJ990416_11.9923.C58.o1.tm	Method	TBLASTX:Maize
Start	1	End	409
GI	none	Score	59
Exons	1..54, 3..53, 158..409, 194..400, 228..407		

Seq. No.	18646	Seq. ID	OJ990416_11.9923.C58
Gene No.	39175	Strand	-
Start	164	End	411
Name	OJ990416_11.9923.C58.o1.ts	Method	TBLASTX:Soybean
Start	3	End	322
GI	none	Score	66
Exons	3..53, 161..322, 164..304, 228..317		

Seq. No.	18646	Seq. ID	OJ990416_11.9923.C58
Gene No.	39175	Strand	-
Start	164	End	411
Name	OJ990416_11.9923.C58.o1.gs	Method	GENSCAN
Start	164	End	411
GI	none	Score	.54
Exons	164..411		

Seq. No.	18646	Seq. ID	OJ990416_11.9923.C58
Gene No.	39175	Strand	-
Start	164	End	411
Name	OJ990416_11.9923.C58.o1.gp	Method	AAT/GAP
Start	306	End	411

GI	none	Score	183
Exons	306..411		
Seq. No.	18647	Seq. ID	OJ990416_11.9923.C61
Gene No.	39176	Strand	+
Start	100	End	539
Name	OJ990416_11.9923.C61.o1.gp	Method	AAT/GAP
Start	100	End	539
GI	none	Score	389
Exons	100..280, 440..539		
Seq. No.	18647	Seq. ID	OJ990416_11.9923.C61
Gene No.	39176	Strand	+
Start	100	End	539
Name	OJ990416_11.9923.C61.o1.gs	Method	GENSCAN
Start	166	End	519
GI	none	Score	.79
Exons	166..280, 440..519		
Seq. No.	18648	Seq. ID	OJ990416_11.9923.C62
Gene No.	39177	Strand	+
Start	334	End	671
Name	OJ990416_11.9923.C62.o1.tm	Method	TBLASTX:Maize
Start	326	End	630
GI	none	Score	164
Exons	326..487, 348..452, 589..630, 590..625		
Seq. No.	18648	Seq. ID	OJ990416_11.9923.C62
Gene No.	39177	Strand	+
Start	334	End	671
Name	OJ990416_11.9923.C62.o1.gp	Method	AAT/GAP
Start	334	End	671
GI	9263_1.R1084	Score	380
Exons	334..487, 589..671		
GI Descrip.	'5817065/emb|CAB53665.1| 6.0e-11 (AL110160) hypothetical protein [Homo sapiens]'		
Seq. No.	18648	Seq. ID	OJ990416_11.9923.C62
Gene No.	39177	Strand	+
Start	334	End	671
Name	OJ990416_11.9923.C62.o1.ts	Method	TBLASTX:Soybean
Start	342	End	664
GI	none	Score	136
Exons	342..452, 353..484, 586..663, 590..664		
Seq. No.	18649	Seq. ID	OJ990416_11.9923.C63
Gene No.	39178	Strand	+
Start	1	End	398
Name	OJ990416_11.9923.C63.o1.gp	Method	AAT/GAP
Start	1	End	398
GI	none	Score	699
Exons	1..398		
Seq. No.	18649	Seq. ID	OJ990416_11.9923.C63
Gene No.	39179	Strand	-
Start	86	End	348
Name	OJ990416_11.9923.C63.o1.gs	Method	GENSCAN

Start	86	End	348
GI	none	Score	.66
Exons	86..185, 221..348		

Seq. No.	18650	Seq. ID	OJ990416_11.9923.C64
Gene No.	39180	Strand	-
Start	411	End	549
Name	OJ990416_11.9923.C64.o1.gs	Method	GENSCAN
Start	411	End	549
GI	none	Score	.77
Exons	411..549		

Seq. No.	18651	Seq. ID	OJ990416_11.9923.C65
Gene No.	39181	Strand	-
Start	80	End	152
Name	OJ990416_11.9923.C65.o1.gs	Method	GENSCAN
Start	80	End	152
GI	none	Score	.55
Exons	80..152		

Seq. No.	18652	Seq. ID	OJ990416_11.9923.C66
Gene No.	39182	Strand	-
Start	287	End	363
Name	OJ990416_11.9923.C66.o1.gs	Method	GENSCAN
Start	287	End	363
GI	none	Score	.58
Exons	287..363		

Seq. No.	18653	Seq. ID	OJ990416_11.9923.C68
Gene No.	39183	Strand	+
Start	41	End	217
Name	OJ990416_11.9923.C68.o1.gs	Method	GENSCAN
Start	41	End	217
GI	none	Score	.91
Exons	41..217		

Seq. No.	18654	Seq. ID	OJ990416_11.9923.C69
Gene No.	39184	Strand	+
Start	278	End	1982
Name	OJ990416_11.9923.C69.o1.gs	Method	GENSCAN
Start	278	End	1982
GI	none	Score	.4
Exons	278..297, 444..585, 696..823, 999..1219, 1501..1763, 1947..1982		

Seq. No.	18655	Seq. ID	OJ990416_11.9923.C71
Gene No.	39185	Strand	-
Start	1	End	824
Name	OJ990416_11.9923.C71.o1.np	Method	AAT/NAP
Start	1	End	824
GI	6630696	Score	1337
Exons	1..824		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	18655	Seq. ID	OJ990416_11.9923.C71
Gene No.	39185	Strand	-

Start	1	End	824
Name	OJ990416_11.9923.C71.o1.tm	Method	TBLASTX:Maize
Start	1	End	344
GI	none	Score	352
Exons	1..42, 71..343, 72..344, 73..318		

Seq. No.	18655	Seq. ID	OJ990416_11.9923.C71
Gene No.	39185	Strand	-
Start	1	End	824
Name	OJ990416_11.9923.C71.o1.gp	Method	AAT/GAP
Start	286	End	824
GI	101595_1.R1084	Score	730
Exons	286..361, 477..824		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	18656	Seq. ID	OJ990416_11.9923.C72
Gene No.	39186	Strand	-
Start	204	End	386
Name	OJ990416_11.9923.C72.o1.gs	Method	GENSCAN
Start	204	End	386
GI	none	Score	.51
Exons	204..386		

Seq. No.	18657	Seq. ID	OJ990416_11.9923.C73
Gene No.	39187	Strand	-
Start	134	End	194
Name	OJ990416_11.9923.C73.o1.gs	Method	GENSCAN
Start	134	End	194
GI	none	Score	.71
Exons	134..194		

Seq. No.	18658	Seq. ID	OJ990416_11.9923.C75
Gene No.	39188	Strand	-
Start	133	End	396
Name	OJ990416_11.9923.C75.o1.gp	Method	AAT/GAP
Start	133	End	396
GI	9263_1.R1084	Score	280
Exons	133..215, 291..396		
GI Descrip.	'5817065/emb|CAB53665.1| 6.0e-11 (AL110160) hypothetical protein [Homo sapiens]'		

Seq. No.	18659	Seq. ID	OJ990416_11.9923.C76
Gene No.	39189	Strand	-
Start	757	End	1227
Name	OJ990416_11.9923.C76.o1.gs	Method	GENSCAN
Start	757	End	1227
GI	none	Score	.62
Exons	757..845, 1086..1227		

Seq. No.	18660	Seq. ID	OJ990416_11.9923.C77
Gene No.	39190	Strand	-
Start	971	End	1062
Name	OJ990416_11.9923.C77.o1.gs	Method	GENSCAN
Start	971	End	1062
GI	none	Score	.79
Exons	971..1062		

Seq. No.	18661	Seq. ID	OJ990416_11.9923.C78
Gene No.	39191	Strand	-
Start	383	End	642
Name	OJ990416_11.9923.C78.o1.np	Method	AAT/NAP
Start	383	End	642
GI	6721516	Score	253
Exons	383..642		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	18662	Seq. ID	OJ990416_11.9923.C81
Gene No.	39192	Strand	+
Start	535	End	630
Name	OJ990416_11.9923.C81.o1.gs	Method	GENSCAN
Start	535	End	630
GI	none	Score	.57
Exons	535..630		

Seq. No.	18663	Seq. ID	OJ990416_11.9923.C83
Gene No.	39193	Strand	+
Start	1	End	791
Name	OJ990416_11.9923.C83.o1.np	Method	AAT/NAP
Start	1	End	791
GI	6630556	Score	376
Exons	1..111, 216..361, 477..522, 602..658, 751..791		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18663	Seq. ID	OJ990416_11.9923.C83
Gene No.	39193	Strand	+
Start	1	End	791
Name	OJ990416_11.9923.C83.o1.tm	Method	TBLASTX:Maize
Start	39	End	665
GI	none	Score	128
Exons	39..125, 41..112, 214..357, 215..400, 474..524, 474..524, 475..525, 476..529, 598..654, 600..665		

Seq. No.	18663	Seq. ID	OJ990416_11.9923.C83
Gene No.	39193	Strand	+
Start	1	End	791
Name	OJ990416_11.9923.C83.o1.ts	Method	TBLASTX:Soybean
Start	39	End	665
GI	none	Score	105
Exons	39..125, 41..112, 214..357, 215..418, 474..524, 474..524, 598..654, 600..665		

Seq. No.	18663	Seq. ID	OJ990416_11.9923.C83
Gene No.	39193	Strand	+
Start	1	End	791
Name	OJ990416_11.9923.C83.o1.gs	Method	GENSCAN
Start	61	End	654
GI	none	Score	.94
Exons	61..361, 562..654		

Seq. No.	18664	Seq. ID	OJ990416_11.9923.C84
Gene No.	39194	Strand	+
Start	1	End	1127

Name	OJ990416_11.9923.C84.o1.np	Method	AAT/NAP
Start	1	End	1127
GI	6630556	Score	286
Exons	1..63, 349..497, 604..675, 1030..1127		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18664	Seq. ID	OJ990416_11.9923.C84
Gene No.	39194	Strand	+
Start	1	End	1127
Name	OJ990416_11.9923.C84.o1.tc	Method	TBLASTX:Cress
Start	357	End	1082
GI	none	Score	195
Exons	357..521, 371..481, 604..675, 1027..1077, 1029..1082		

Seq. No.	18664	Seq. ID	OJ990416_11.9923.C84
Gene No.	39194	Strand	+
Start	1	End	1127
Name	OJ990416_11.9923.C84.o1.tm	Method	TBLASTX:Maize
Start	357	End	1127
GI	none	Score	229
Exons	357..500, 372..497, 377..499, 562..663, 603..674, 604..675, 605..676, 606..677, 1027..1125, 1028..1126, 1029..1127, 1029..1127		

Seq. No.	18664	Seq. ID	OJ990416_11.9923.C84
Gene No.	39194	Strand	+
Start	1	End	1127
Name	OJ990416_11.9923.C84.o1.ts	Method	TBLASTX:Soybean
Start	357	End	1127
GI	none	Score	210
Exons	357..500, 377..490, 600..671, 604..675, 1028..1123, 1029..1127, 1029..1127		

Seq. No.	18664	Seq. ID	OJ990416_11.9923.C84
Gene No.	39194	Strand	+
Start	1	End	1127
Name	OJ990416_11.9923.C84.o1.tw	Method	TBLASTX:Wheat
Start	357	End	504
GI	none	Score	220
Exons	357..500, 377..499, 379..504		

Seq. No.	18664	Seq. ID	OJ990416_11.9923.C84
Gene No.	39194	Strand	+
Start	1	End	1127
Name	OJ990416_11.9923.C84.o1.gp	Method	AAT/GAP
Start	374	End	1127
GI	14187_1.R1084	Score	486
Exons	374..497, 604..675, 1030..1127		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 1.0e-107 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	18664	Seq. ID	OJ990416_11.9923.C84
Gene No.	39194	Strand	+
Start	1	End	1127
Name	OJ990416_11.9923.C84.o1.gs	Method	GENSCAN
Start	604	End	1069

GI	none	Score	.97
Exons	604..675, 1030..1069		

Seq. No.	18665	Seq. ID	OJ990416_11.9923.C86
Gene No.	39195	Strand	+
Start	1	End	758
Name	OJ990416_11.9923.C86.o1.np	Method	AAT/NAP
Start	1	End	758
GI	3287834	Score	145
Exons	1..263, 696..758		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE ISOZYME XC14 (D-CADINENE SYNTHASE) gi|2147016|pir||S68366 (+)-delta-cadinene synthase isozyme XC14 - Gossypium arboreum gi|1045314 (U23205) (+)-delta-cadinene synthase isozyme XC14 [Gossypium arboreum]		

Seq. No.	18665	Seq. ID	OJ990416_11.9923.C86
Gene No.	39195	Strand	+
Start	1	End	758
Name	OJ990416_11.9923.C86.o1.tm	Method	TBLASTX:Maize
Start	45	End	278
GI	none	Score	193
Exons	45..278, 46..258		

Seq. No.	18665	Seq. ID	OJ990416_11.9923.C86
Gene No.	39195	Strand	+
Start	1	End	758
Name	OJ990416_11.9923.C86.o1.ts	Method	TBLASTX:Soybean
Start	46	End	269
GI	none	Score	180
Exons	46..258, 87..269		

Seq. No.	18666	Seq. ID	OJ990416_11.9923.C87
Gene No.	39196	Strand	+
Start	142	End	298
Name	OJ990416_11.9923.C87.o1.gs	Method	GENSCAN
Start	142	End	298
GI	none	Score	.4
Exons	142..298		

Seq. No.	18667	Seq. ID	OJ990416_11.9923.C88
Gene No.	39197	Strand	-
Start	1200	End	1399
Name	OJ990416_11.9923.C88.o2.gs	Method	GENSCAN
Start	1200	End	1399
GI	none	Score	.88
Exons	1200..1318, 1324..1399		

Seq. No.	18668	Seq. ID	OJ990416_11.9923.C90
Gene No.	39198	Strand	+
Start	1	End	352
Name	OJ990416_11.9923.C90.o1.np	Method	AAT/NAP
Start	1	End	352
GI	4972067	Score	249
Exons	1..352		
GI Descrip.	(AL078467) putative protei [Arabidopsis thaliana]		

Seq. No.	18668	Seq. ID	OJ990416_11.9923.C90

Gene No.	39198	Strand	+
Start	1	End	352
Name	OJ990416_11.9923.C90.o1.gs	Method	GENSCAN
Start	32	End	306
GI	none	Score	.46
Exons	32..306		

Seq. No.	18668	Seq. ID	OJ990416_11.9923.C90
Gene No.	39198	Strand	+
Start	1	End	352
Name	OJ990416_11.9923.C90.o1.ts	Method	TBLASTX:Soybean
Start	103	End	340
GI	none	Score	111
Exons	103..201, 104..202, 245..340		

Seq. No.	18669	Seq. ID	OJ990416_11.9923.C94
Gene No.	39199	Strand	-
Start	109	End	269
Name	OJ990416_11.9923.C94.o1.gs	Method	GENSCAN
Start	109	End	269
GI	none	Score	.93
Exons	109..269		

Seq. No.	18670	Seq. ID	OJ990416_11.9923.C95
Gene No.	39200	Strand	-
Start	208	End	440
Name	OJ990416_11.9923.C95.o1.gs	Method	GENSCAN
Start	208	End	440
GI	none	Score	.79
Exons	208..225, 381..440		

Seq. No.	18671	Seq. ID	OJ990416_11.9923.C96
Gene No.	39201	Strand	-
Start	1	End	298
Name	OJ990416_11.9923.C96.o1.np	Method	AAT/NAP
Start	1	End	298
GI	6630556	Score	181
Exons	1..298		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18671	Seq. ID	OJ990416_11.9923.C96
Gene No.	39201	Strand	-
Start	1	End	298
Name	OJ990416_11.9923.C96.o1.gs	Method	GENSCAN
Start	137	End	227
GI	none	Score	.84
Exons	137..227		

Seq. No.	18671	Seq. ID	OJ990416_11.9923.C96
Gene No.	39201	Strand	-
Start	1	End	298
Name	OJ990416_11.9923.C96.o1.tm	Method	TBLASTX:Maize
Start	137	End	298
GI	none	Score	194
Exons	137..298, 138..296		

Seq. No.	18671	Seq. ID	OJ990416_11.9923.C96
Gene No.	39201	Strand	-
Start	1	End	298
Name	OJ990416_11.9923.C96.o1.ts	Method	TBLASTX:Soybean
Start	137	End	298
GI	none	Score	67
Exons	137..184, 138..185, 188..298,	188..298	

Seq. No.	18672	Seq. ID	OJ990416_11.9923.C98
Gene No.	39202	Strand	+
Start	119	End	272
Name	OJ990416_11.9923.C98.o1.gs	Method	GENSCAN
Start	119	End	272
GI	none	Score	.73
Exons	119..272		

Seq. No.	18672	Seq. ID	OJ990416_11.9923.C98
Gene No.	39203	Strand	-
Start	11	End	307
Name	OJ990416_11.9923.C98.o1.tc	Method	TBLASTX:Cress
Start	1	End	304
GI	none	Score	69
Exons	1..84, 3..203, 3..80, 8..304,	131..217, 190..291	

Seq. No.	18672	Seq. ID	OJ990416_11.9923.C98
Gene No.	39203	Strand	-
Start	11	End	307
Name	OJ990416_11.9923.C98.o1.tm	Method	TBLASTX:Maize
Start	8	End	295
GI	none	Score	95
Exons	8..295, 9..170		

Seq. No.	18672	Seq. ID	OJ990416_11.9923.C98
Gene No.	39203	Strand	-
Start	11	End	307
Name	OJ990416_11.9923.C98.o1.ts	Method	TBLASTX:Soybean
Start	8	End	295
GI	none	Score	118
Exons	8..295, 9..203, 11..256		

Seq. No.	18672	Seq. ID	OJ990416_11.9923.C98
Gene No.	39203	Strand	-
Start	11	End	307
Name	OJ990416_11.9923.C98.o1.np	Method	AAT/NAP
Start	11	End	307
GI	4468804	Score	318
Exons	11..307		
GI Descrip.	(AL035601) putative protein [Arabidopsis thaliana]		

Seq. No.	18673	Seq. ID	OJ990426_10.9922.C1
Gene No.	39204	Strand	+
Start	145	End	553
Name	OJ990426_10.9922.C1.o1.gs	Method	GENSCAN
Start	145	End	553
GI	none	Score	.48
Exons	145..186, 422..553		

Seq. No.	18674	Seq. ID	OJ990426_10.9922.C4
Gene No.	39205	Strand	+
Start	190	End	348
Name	OJ990426_10.9922.C4.o1.gs	Method	GENSCAN
Start	190	End	348
GI	none	Score	.5
Exons	190..348		

Seq. No.	18675	Seq. ID	OJ990426_10.9922.C7
Gene No.	39206	Strand	+
Start	130	End	305
Name	OJ990426_10.9922.C7.o1.gs	Method	GENSCAN
Start	130	End	305
GI	none	Score	.81
Exons	130..182, 284..305		

Seq. No.	18676	Seq. ID	OJ990426_10.9922.C8
Gene No.	39207	Strand	+
Start	85	End	1836
Name	OJ990426_10.9922.C8.o1.gs	Method	GENSCAN
Start	85	End	1836
GI	none	Score	.83
Exons	85..256, 296..1836		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39208	Strand	+
Start	885	End	1391
Name	OJ990426_10.9922.C10.o1.gs	Method	GENSCAN
Start	885	End	1391
GI	none	Score	.58
Exons	885..1031, 1287..1391		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39209	Strand	+
Start	3375	End	4032
Name	OJ990426_10.9922.C10.o2.gs	Method	GENSCAN
Start	3375	End	4032
GI	none	Score	.51
Exons	3375..3383, 3934..4032		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39210	Strand	+
Start	7024	End	14000
Name	OJ990426_10.9922.C10.o4.gs	Method	GENSCAN
Start	7024	End	14000
GI	none	Score	.54
Exons	7024..7152, 10769..10923, 11114..11217, 11296..11552, 13066..13106, 13700..14000		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39211	Strand	+
Start	15427	End	16771
Name	OJ990426_10.9922.C10.o3.np	Method	AAT/NAP
Start	15427	End	16771
GI	6630699	Score	104
Exons	15427..15537, 16685..16771		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39212	Strand	+
Start	19420	End	19526
Name	OJ990426_10.9922.C10.o5.np	Method	AAT/NAP
Start	19420	End	19526
GI	6630699	Score	90
Exons	19420..19526		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39213	Strand	+
Start	19662	End	21638
Name	OJ990426_10.9922.C10.o6.np	Method	AAT/NAP
Start	19662	End	21638
GI	6539570	Score	171
Exons	19662..19855, 20028..20101, 21619..21638		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39214	Strand	-
Start	4464	End	6142
Name	OJ990426_10.9922.C10.o3.gs	Method	GENSCAN
Start	4464	End	6139
GI	none	Score	.79
Exons	4464..4566, 4749..5734, 5951..6139		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39214	Strand	-
Start	4464	End	6142
Name	OJ990426_10.9922.C10.o1.np	Method	AAT/NAP
Start	5485	End	6142
GI	1666236	Score	243
Exons	5485..6142		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39215	Strand	-
Start	12872	End	13976
Name	OJ990426_10.9922.C10.o1.gp	Method	AAT/GAP
Start	12872	End	13976
GI	none	Score	1012
Exons	12872..13193, 13735..13976		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39216	Strand	-
Start	14173	End	14580
Name	OJ990426_10.9922.C10.o5.gs	Method	GENSCAN
Start	14173	End	14580
GI	none	Score	.81
Exons	14173..14444, 14535..14580		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10

Gene No.	39217	Strand	-
Start	16910	End	21421
Name	OJ990426_10.9922.C10.o4.tw	Method	TBLASTX:Wheat
Start	5618	End	5971
GI	none	Score	58
Exons	5618..5971, 5700..5915		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39217	Strand	-
Start	16910	End	21421
Name	OJ990426_10.9922.C10.o1.tw	Method	TBLASTX:Wheat
Start	8275	End	8643
GI	none	Score	84
Exons	8275..8640, 8275..8643		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39217	Strand	-
Start	16910	End	21421
Name	OJ990426_10.9922.C10.o2.tm	Method	TBLASTX:Maize
Start	8368	End	8839
GI	none	Score	79
Exons	8368..8454, 8372..8449, 8467..8838, 8471..8506, 8580..8789, 8651..8839		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39217	Strand	-
Start	16910	End	21421
Name	OJ990426_10.9922.C10.o1.tm	Method	TBLASTX:Maize
Start	9223	End	9930
GI	none	Score	113
Exons	9223..9930, 9386..9523, 9598..9864, 9674..9892		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39217	Strand	-
Start	16910	End	21421
Name	OJ990426_10.9922.C10.o3.tw	Method	TBLASTX:Wheat
Start	9298	End	9678
GI	none	Score	54
Exons	9298..9378, 9370..9522, 9386..9505, 9532..9678, 9533..9676		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39217	Strand	-
Start	16910	End	21421
Name	OJ990426_10.9922.C10.o2.tw	Method	TBLASTX:Wheat
Start	9679	End	9928
GI	none	Score	170
Exons	9679..9891, 9683..9928		

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39217	Strand	-
Start	16910	End	21421
Name	OJ990426_10.9922.C10.o4.np	Method	AAT/NAP
Start	16910	End	19388
GI	5922620	Score	369
Exons	16910..17108, 18189..18502, 19157..19309, 19350..19388		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	18677	Seq. ID	OJ990426_10.9922.C10
Gene No.	39217	Strand	-
Start	16910	End	21421
Name	OJ990426_10.9922.C10.o7.gs	Method	GENSCAN
Start	18655	End	21421
GI	none	Score	.96
Exons	18655..18812, 19129..19153, 19199..19325, 19437..19520, 19796..19974, 21359..21421		

Seq. No.	18678	Seq. ID	OJ990426_10.9922.C11
Gene No.	39218	Strand	+
Start	1488	End	6112
Name	OJ990426_10.9922.C11.o1.gs	Method	GENSCAN
Start	1488	End	6112
GI	none	Score	.49
Exons	1488..1564, 3094..3256, 4737..5011, 5328..5383, 5622..6112		

Seq. No.	18678	Seq. ID	OJ990426_10.9922.C11
Gene No.	39219	Strand	+
Start	7755	End	7926
Name	OJ990426_10.9922.C11.o2.gs	Method	GENSCAN
Start	7755	End	7926
GI	none	Score	.87
Exons	7755..7926		

Seq. No.	18678	Seq. ID	OJ990426_10.9922.C11
Gene No.	39220	Strand	-
Start	1392	End	7956
Name	OJ990426_10.9922.C11.o1.np	Method	AAT/NAP
Start	1392	End	7956
GI	4581166	Score	48
Exons	1392..1484, 5233..5418, 7885..7956		
GI Descrip.	(AC006220) unknown protein [Arabidopsis thaliana]		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39221	Strand	+
Start	1	End	760
Name	OJ990426_10.9922.C12.o1.np	Method	AAT/NAP
Start	1	End	760
GI	480314	Score	678
Exons	1..760		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia (fragment) gi|397567|emb|CAA81057| (Z25802) UDP rhamnose: anthocyanidin-3-glucoside rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39221	Strand	+
Start	1	End	760
Name	OJ990426_10.9922.C12.o1.gs	Method	GENSCAN
Start	38	End	751
GI	none	Score	.97
Exons	38..751		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39222	Strand	+
Start	1072	End	6126
Name	OJ990426_10.9922.C12.o2.gs	Method	GENSCAN
Start	1072	End	6126
GI	none	Score	.59
Exons	1072..1123, 1578..1730, 3465..3586, 5686..6126		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39223	Strand	+
Start	10926	End	12086
Name	OJ990426_10.9922.C12.o2.np	Method	AAT/NAP
Start	10926	End	12086
GI	2146800	Score	71
Exons	10926..11121, 11967..12086		
GI Descrip.	anthocyanin 3 glucoside: rhamnosyltransferase - garden petunia gi|454245|emb|CAA50376| (X71059) anthocyanin 3 glucoside: rhamnosyltransferase [Petunia x hybrida] gi|454253|emb|CAA50377| (X71060) anthocyanin: rhamnosyltransferase [Petunia x hybrida]		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39223	Strand	+
Start	10926	End	12086
Name	OJ990426_10.9922.C12.o3.np	Method	AAT/NAP
Start	11312	End	12086
GI	6907087	Score	452
Exons	11312..11680, 11726..12086		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39224	Strand	-
Start	6632	End	6868
Name	OJ990426_10.9922.C12.o3.gs	Method	GENSCAN
Start	6632	End	6868
GI	none	Score	.53
Exons	6632..6868		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39225	Strand	-
Start	10902	End	12044
Name	OJ990426_10.9922.C12.o1.ts	Method	TBLASTX:Soybean
Start	265	End	607
GI	none	Score	342
Exons	265..588, 266..607		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39225	Strand	-
Start	10902	End	12044
Name	OJ990426_10.9922.C12.o2.tm	Method	TBLASTX:Maize
Start	296	End	568
GI	none	Score	193
Exons	296..568		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12

Gene No.	39225	Strand	-
Start	10902	End	12044
Name	OJ990426_10.9922.C12.o1.tc	Method	TBLASTX:Cress
Start	308	End	571
GI	none	Score	63
Exons	308..373, 383..571		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39225	Strand	-
Start	10902	End	12044
Name	OJ990426_10.9922.C12.o1.tm	Method	TBLASTX:Maize
Start	3677	End	4174
GI	none	Score	143
Exons	3677..3976, 3706..4095, 3706..3960, 3720..3983, 3971..4021, 3973..4104, 4044..4151, 4074..4172, 4076..4174		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39225	Strand	-
Start	10902	End	12044
Name	OJ990426_10.9922.C12.o3.tm	Method	TBLASTX:Maize
Start	5806	End	6033
GI	none	Score	182
Exons	5806..6033, 5901..6032		

Seq. No.	18679	Seq. ID	OJ990426_10.9922.C12
Gene No.	39225	Strand	-
Start	10902	End	12044
Name	OJ990426_10.9922.C12.o4.gs	Method	GENSCAN
Start	10902	End	12044
GI	none	Score	.65
Exons	10902..11147, 11185..11218, 11797..12044		

Seq. No.	18680	Seq. ID	OJ990426_10.9922.C13
Gene No.	39226	Strand	+
Start	254	End	431
Name	OJ990426_10.9922.C13.o1.gs	Method	GENSCAN
Start	254	End	431
GI	none	Score	.4
Exons	254..431		

Seq. No.	18681	Seq. ID	OJ990426_10.9922.C14
Gene No.	39227	Strand	+
Start	723	End	965
Name	OJ990426_10.9922.C14.o1.gs	Method	GENSCAN
Start	723	End	965
GI	none	Score	.44
Exons	723..965		

Seq. No.	18682	Seq. ID	OJ990426_10.9922.C15
Gene No.	39228	Strand	
Start	547	End	769
Name	OJ990426_10.9922.C15.o1.tw	Method	TBLASTX:Wheat
Start	547	End	769
GI	none	Score	214
Exons	547..768, 584..769		

Seq. No.	18682	Seq. ID	OJ990426_10.9922.C15

Gene No.	39228	Strand	
Start	547	End	769
Name	OJ990426_10.9922.C15.o1.tm	Method	TBLASTX:Maize
Start	571	End	769
GI	none	Score	243
Exons	571..768, 584..769		

Seq. No.	18683	Seq. ID	OJ990426_10.9922.C16
Gene No.	39229	Strand	-
Start	198	End	410
Name	OJ990426_10.9922.C16.o1.gs	Method	GENSCAN
Start	198	End	410
GI	none	Score	.6
Exons	198..410		

Seq. No.	18684	Seq. ID	OJ990426_10.9922.C18
Gene No.	39230	Strand	+
Start	450	End	532
Name	OJ990426_10.9922.C18.o1.gs	Method	GENSCAN
Start	450	End	532
GI	none	Score	.66
Exons	450..532		

Seq. No.	18685	Seq. ID	OJ990426_10.9922.C21
Gene No.	39231	Strand	+
Start	328	End	405
Name	OJ990426_10.9922.C21.o2.np	Method	AAT/NAP
Start	328	End	405
GI	6630699	Score	92
Exons	328..405		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18685	Seq. ID	OJ990426_10.9922.C21
Gene No.	39232	Strand	-
Start	1	End	399
Name	OJ990426_10.9922.C21.o1.np	Method	AAT/NAP
Start	1	End	267
GI	5922620	Score	136
Exons	1..188, 229..267		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18685	Seq. ID	OJ990426_10.9922.C21
Gene No.	39232	Strand	-
Start	1	End	399
Name	OJ990426_10.9922.C21.o1.gs	Method	GENSCAN
Start	8	End	399
GI	none	Score	.73
Exons	8..32, 78..204, 316..399		

Seq. No.	18686	Seq. ID	OJ990426_10.9922.C22
Gene No.	39233	Strand	-

Start	40	End	511
Name	OJ990426_10.9922.C22.o1.gs	Method	GENSCAN
Start	40	End	511
GI	none	Score	.94
Exons	40..511		

Seq. No.	18687	Seq. ID	OJ990426_10.9922.C23
Gene No.	39234	Strand	+
Start	205	End	1107
Name	OJ990426_10.9922.C23.o1.gs	Method	GENSCAN
Start	205	End	1107
GI	none	Score	.92
Exons	205..238, 606..707, 926..1107		

Seq. No.	18688	Seq. ID	OJ990426_10.9922.C25
Gene No.	39235	Strand	-
Start	7664	End	7821
Name	OJ990426_10.9922.C25.o2.gs	Method	GENSCAN
Start	7664	End	7821
GI	none	Score	.45
Exons	7664..7821		

Seq. No.	18689	Seq. ID	OJ990426_10.9922.C26
Gene No.	39236	Strand	-
Start	927	End	1088
Name	OJ990426_10.9922.C26.o1.gs	Method	GENSCAN
Start	927	End	1088
GI	none	Score	.6
Exons	927..1088		

Seq. No.	18690	Seq. ID	OJ990426_10.9922.C27
Gene No.	39237	Strand	+
Start	387	End	536
Name	OJ990426_10.9922.C27.o1.gs	Method	GENSCAN
Start	387	End	536
GI	none	Score	.92
Exons	387..536		

Seq. No.	18691	Seq. ID	OJ990426_10.9922.C30
Gene No.	39238	Strand	+
Start	309	End	811
Name	OJ990426_10.9922.C30.o1.gs	Method	GENSCAN
Start	309	End	811
GI	none	Score	.88
Exons	309..342, 710..811		

Seq. No.	18692	Seq. ID	OJ990426_10.9922.C31
Gene No.	39239	Strand	-
Start	261	End	426
Name	OJ990426_10.9922.C31.o1.gp	Method	AAT/GAP
Start	261	End	426
GI	533_1.R1084	Score	167
Exons	261..314, 337..426		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	18693	Seq. ID	OJ990426_10.9922.C33
Gene No.	39240	Strand	+
Start	1	End	695
Name	OJ990426_10.9922.C33.o1.np	Method	AAT/NAP
Start	1	End	695
GI	6907087	Score	183
Exons	1..53, 594..695		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18693	Seq. ID	OJ990426_10.9922.C33
Gene No.	39241	Strand	+
Start	1249	End	2070
Name	OJ990426_10.9922.C33.o1.gs	Method	GENSCAN
Start	1249	End	2070
GI	none	Score	.5
Exons	1249..1360, 2042..2070		

Seq. No.	18693	Seq. ID	OJ990426_10.9922.C33
Gene No.	39242	Strand	-
Start	1076	End	2299
Name	OJ990426_10.9922.C33.o2.np	Method	AAT/NAP
Start	1076	End	2299
GI	4680186	Score	175
Exons	1076..1295, 2214..2299		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39243	Strand	+
Start	1	End	14230
Name	OJ990426_10.9922.C34.o1.np	Method	AAT/NAP
Start	1	End	14230
GI	6691191	Score	705
Exons	1..31, 207..561, 3951..4195, 4239..4518, 14202..14230		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39243	Strand	+
Start	1	End	14230
Name	OJ990426_10.9922.C34.o2.np	Method	AAT/NAP
Start	7039	End	9460
GI	421948	Score	520
Exons	7039..7869, 9440..9460		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39243	Strand	+
Start	1	End	14230
Name	OJ990426_10.9922.C34.o4.np	Method	AAT/NAP
Start	8101	End	13109
GI	5852180	Score	62
Exons	8101..8196, 11647..11741, 12910..13109		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39243	Strand	+
Start	1	End	14230
Name	OJ990426_10.9922.C34.o4.gs	Method	GENSCAN
Start	8627	End	11158
GI	none	Score	.73
Exons	8627..8696, 9307..9566, 9654..9736, 9874..10207, 11015..11158		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39243	Strand	+
Start	1	End	14230
Name	OJ990426_10.9922.C34.o3.np	Method	AAT/NAP
Start	8886	End	9964
GI	6539555	Score	924
Exons	8886..9566, 9654..9964		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39243	Strand	+
Start	1	End	14230
Name	OJ990426_10.9922.C34.o5.gs	Method	GENSCAN
Start	11838	End	12567
GI	none	Score	.96
Exons	11838..11988, 12419..12567		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39244	Strand	+
Start	14663	End	14739
Name	OJ990426_10.9922.C34.o1.gp	Method	AAT/GAP
Start	14663	End	14739
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	14663..14739		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39245	Strand	-
Start	1	End	12563
Name	OJ990426_10.9922.C34.o5.np	Method	AAT/NAP
Start	1	End	12563
GI	5852175	Score	134
Exons	1..23, 3419..3511, 11800..11983, 12515..12563		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39245	Strand	-
Start	1	End	12563
Name	OJ990426_10.9922.C34.o2.gs	Method	GENSCAN
Start	5149	End	5715
GI	none	Score	.92
Exons	5149..5430, 5521..5715		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39245	Strand	-

Start	1	End	12563
Name	OJ990426_10.9922.C34.o3.gs	Method	GENSCAN
Start	7003	End	8311
GI	none	Score	.67
Exons	7003..7211, 7220..7889, 7962..8078, 8243..8311		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39246	Strand	-
Start	12925	End	13998
Name	OJ990426_10.9922.C34.o2.tw	Method	TBLASTX:Wheat
Start	91	End	511
GI	none	Score	72
Exons	91..165, 92..166, 218..511, 226..417, 287..490		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39246	Strand	-
Start	12925	End	13998
Name	OJ990426_10.9922.C34.o1.ts	Method	TBLASTX:Soybean
Start	166	End	496
GI	none	Score	246
Exons	166..423, 209..496, 251..496		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39246	Strand	-
Start	12925	End	13998
Name	OJ990426_10.9922.C34.o1.tw	Method	TBLASTX:Wheat
Start	3987	End	4445
GI	none	Score	56
Exons	3987..4019, 3990..4193, 4086..4190, 4236..4307, 4240..4341, 4317..4445, 4334..4435		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39246	Strand	-
Start	12925	End	13998
Name	OJ990426_10.9922.C34.o2.ts	Method	TBLASTX:Soybean
Start	7059	End	7505
GI	none	Score	105
Exons	7059..7109, 7060..7143, 7144..7197, 7266..7505		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39246	Strand	-
Start	12925	End	13998
Name	OJ990426_10.9922.C34.o3.tw	Method	TBLASTX:Wheat
Start	9741	End	10027
GI	none	Score	87
Exons	9741..9887, 9883..9960, 9884..10027, 9936..9995		

Seq. No.	18694	Seq. ID	OJ990426_10.9922.C34
Gene No.	39246	Strand	-
Start	12925	End	13998
Name	OJ990426_10.9922.C34.o6.gs	Method	GENSCAN
Start	12925	End	13998
GI	none	Score	.64
Exons	12925..13072, 13925..13998		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39247	Strand	+

Start	96	End	311
Name	OJ990426_10.9922.C36.o1.gs	Method	GENSCAN
Start	96	End	311
GI	none	Score	.73
Exons	96..311		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39248	Strand	+
Start	4536	End	4801
Name	OJ990426_10.9922.C36.o2.gp	Method	AAT/GAP
Start	4536	End	4801
GI	2431225	Score	512
Exons	4536..4801		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39249	Strand	-
Start	2840	End	5510
Name	OJ990426_10.9922.C36.o1.gp	Method	AAT/GAP
Start	2596	End	3013
GI	80900_1.R1084	Score	774
Exons	2596..3013		
GI Descrip.	'3068809 1.0e-11 (AF059295) Skp1 homolog [Arabidopsis thaliana]'		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39249	Strand	-
Start	2840	End	5510
Name	OJ990426_10.9922.C36.o1.tm	Method	TBLASTX:Maize
Start	2721	End	5373
GI	none	Score	139
Exons	2721..2780, 2840..3007, 2840..3013, 2841..3014, 5014..5097, 5031..5096, 5167..5373, 5178..5372		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39249	Strand	-
Start	2840	End	5510
Name	OJ990426_10.9922.C36.o1.tw	Method	TBLASTX:Wheat
Start	2772	End	2975
GI	none	Score	100
Exons	2772..2975, 2840..2974, 2841..2975		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39249	Strand	-
Start	2840	End	5510
Name	OJ990426_10.9922.C36.o1.tc	Method	TBLASTX:Cress
Start	2837	End	5348
GI	none	Score	205
Exons	2837..3013, 2841..3014, 5023..5091, 5031..5096, 5086..5343, 5181..5348		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39249	Strand	-
Start	2840	End	5510
Name	OJ990426_10.9922.C36.o2.gs	Method	GENSCAN
Start	2840	End	5288
GI	none	Score	.98
Exons	2840..3013, 5022..5288		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39249	Strand	-
Start	2840	End	5510
Name	OJ990426_10.9922.C36.o1.np	Method	AAT/NAP
Start	2843	End	5360
GI	3068809	Score	622
Exons	2843..3013, 5022..5360		
GI Descrip.	(AF059295) Skp1 homolog [Arabidopsis thaliana]		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39249	Strand	-
Start	2840	End	5510
Name	OJ990426_10.9922.C36.o1.ts	Method	TBLASTX:Soybean
Start	2921	End	5373
GI	none	Score	118
Exons	2921..3013, 2922..3014, 2934..3014, 5014..5097, 5031..5096, 5167..5373, 5178..5372		

Seq. No.	18695	Seq. ID	OJ990426_10.9922.C36
Gene No.	39249	Strand	-
Start	2840	End	5510
Name	OJ990426_10.9922.C36.o3.gp	Method	AAT/GAP
Start	5022	End	5510
GI	4908_1.R1084	Score	851
Exons	5022..5510		
GI Descrip.	'3068809 1.0e-40 (AF059295) Skp1 homolog [Arabidopsis thaliana]'		

Seq. No.	18696	Seq. ID	OJ990426_10.9922.C37
Gene No.	39250	Strand	+
Start	1591	End	1766
Name	OJ990426_10.9922.C37.o1.gp	Method	AAT/GAP
Start	1591	End	1766
GI	none	Score	348
Exons	1591..1766		

Seq. No.	18696	Seq. ID	OJ990426_10.9922.C37
Gene No.	39251	Strand	-
Start	905	End	1766
Name	OJ990426_10.9922.C37.o1.np	Method	AAT/NAP
Start	905	End	1766
GI	81286	Score	41
Exons	905..1233, 1688..1766		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	18696	Seq. ID	OJ990426_10.9922.C37
Gene No.	39251	Strand	-
Start	905	End	1766
Name	OJ990426_10.9922.C37.o1.gs	Method	GENSCAN
Start	912	End	1124
GI	none	Score	.56
Exons	912..1124		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39252	Strand	+
Start	193	End	2064
Name	OJ990426_10.9922.C38.o1.gp	Method	AAT/GAP

Start	193	End	507
GI	none	Score	607
Exons	193..507		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39252	Strand	+
Start	193	End	2064
Name	OJ990426_10.9922.C38.o1.gs	Method	GENSCAN
Start	333	End	2064
GI	none	Score	98
Exons	333..518, 1678..2064		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39253	Strand	+
Start	5171	End	7871
Name	OJ990426_10.9922.C38.o2.gs	Method	GENSCAN
Start	5171	End	7838
GI	none	Score	.62
Exons	5171..5275, 6044..6318, 7052..7838		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39253	Strand	+
Start	5171	End	7871
Name	OJ990426_10.9922.C38.o1.np	Method	AAT/NAP
Start	5480	End	7871
GI	6041833	Score	554
Exons	5480..5560, 6044..6318, 7052..7440, 7490..7871		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi|6642634|gb|AAF20215.1|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39254	Strand	+
Start	7800	End	8035
Name	OJ990426_10.9922.C38.o3.gp	Method	AAT/GAP
Start	7800	End	8035
GI	5004456	Score	435
Exons	7800..8035		
GI Descrip.	2352023/gb|U93713| 6.0e-12 Cloning vector pRS400 with kanMX4 marker, complete sequence		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39255	Strand	+
Start	8381	End	11272
Name	OJ990426_10.9922.C38.o2.np	Method	AAT/NAP
Start	8381	End	9777
GI	6056412	Score	134
Exons	8381..8403, 9639..9777		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39255	Strand	+
Start	8381	End	11272
Name	OJ990426_10.9922.C38.o4.gp	Method	AAT/GAP
Start	9331	End	10301
GI	31424_1.R1084	Score	1903
Exons	9331..10301		

GI Descrip.	'6016877/dbj|BAA85220.1| 5.0e-11 (AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		
Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39255	Strand	+
Start	8381	End	11272
Name	OJ990426_10.9922.C38.o3.gs	Method	GENSCAN
Start	9475	End	11272
GI	none	Score	.82
Exons	9475..9767, 10834..10902, 11050..11272		
Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39256	Strand	+
Start	12954	End	13617
Name	OJ990426_10.9922.C38.o4.gs	Method	GENSCAN
Start	12954	End	13617
GI	none	Score	.52
Exons	12954..13011, 13250..13617		
Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39256	Strand	+
Start	12954	End	13617
Name	OJ990426_10.9922.C38.o3.np	Method	AAT/NAP
Start	13223	End	13513
GI	6539588	Score	189
Exons	13223..13513		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39257	Strand	-
Start	2390	End	2554
Name	OJ990426_10.9922.C38.o2.gp	Method	AAT/GAP
Start	2390	End	2554
GI	533_1.R1084	Score	170
Exons	2390..2443, 2466..2554		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		
Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o4.tm	Method	TBLASTX:Maize
Start	6040	End	6225
GI	none	Score	197
Exons	6040..6225, 6041..6223		
Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o3.tc	Method	TBLASTX:Cress
Start	6044	End	7268
GI	none	Score	129
Exons	6044..6349, 7041..7268		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o2.ts	Method	TBLASTX:Soybean
Start	7005	End	7418
GI	none	Score	238
Exons	7005..7265, 7013..7279, 7050..7277, 7317..7418		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o5.tc	Method	TBLASTX:Cress
Start	7350	End	7856
GI	none	Score	91
Exons	7350..7430, 7568..7675, 7575..7700, 7707..7856		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o3.tm	Method	TBLASTX:Maize
Start	7484	End	7747
GI	none	Score	108
Exons	7484..7627, 7484..7624, 7593..7745, 7625..7747, 7628..7747		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o2.tm	Method	TBLASTX:Maize
Start	9574	End	9788
GI	none	Score	244
Exons	9574..9618, 9625..9774, 9660..9788, 9672..9785		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o5.gp	Method	AAT/GAP
Start	15255	End	16640
GI	82_3.R1084	Score	1984
Exons	15255..15812, 16080..16181, 16275..16640		
GI Descrip.	'2244749/emb|CAB10172.1| 5.0e-61 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o2.tc	Method	TBLASTX:Cress
Start	15562	End	16348
GI	none	Score	239
Exons	15562..15813, 15572..15814, 15704..15814, 16076..16183, 16078..16194, 16078..16182, 16088..16183, 16251..16328, 16263..16343, 16264..16344, 16273..16347, 16274..16348		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o1.tm	Method	TBLASTX:Maize
Start	15568	End	18393

GI	none	Score	370
Exons	15568..15813, 15569..15826, 15626..15826, 16076..16183, 16078..16182, 16081..16194, 16266..16433, 16272..16667, 16273..16665, 16572..16667, 17713..18105, 17716..18393, 18002..18298		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o5.gs	Method	GENSCAN
Start	15568	End	18393
GI	none	Score	.94
Exons	15568..15812, 16080..16181, 16275..16665, 17716..17913, 18094..18393		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o1.ts	Method	TBLASTX:Soybean
Start	15568	End	18393
GI	none	Score	275
Exons	15568..15813, 15572..15826, 16076..16183, 16077..16175, 16078..16182, 16266..16433, 16273..16665, 16274..16543, 16276..16668, 17708..17758, 17713..17859, 17716..18393, 17828..17959, 17902..18105, 18002..18109, 18170..18298		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o4.np	Method	AAT/NAP
Start	15571	End	18393
GI	2244749	Score	1996
Exons	15571..15812, 16080..16181, 16275..16665, 17716..18393		
GI Descrip.	(Z97335) hydroxymethyltransferase [Arabidopsis thaliana]		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o2.tw	Method	TBLASTX:Wheat
Start	16099	End	16527
GI	none	Score	60
Exons	16099..16194, 16273..16527, 16274..16342, 16418..16516		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o1.tc	Method	TBLASTX:Cress
Start	16348	End	18228
GI	none	Score	50
Exons	16348..16419, 16348..16422, 16429..16665, 16431..16670, 17713..18105, 17716..18228, 18086..18223		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o1.tw	Method	TBLASTX:Wheat
Start	17860	End	18298

GI	none	Score	73
Exons	17860..18297, 17911..18033, 18002..18298		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o7.gp	Method	AAT/GAP
Start	17918	End	18452
GI	25688_1.R1084	Score	884
Exons	17918..18043, 18081..18452		
GI Descrip.	'2244749/emb|CAB10172.1| 1.0e-62 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		

Seq. No.	18697	Seq. ID	OJ990426_10.9922.C38
Gene No.	39258	Strand	-
Start	15568	End	18452
Name	OJ990426_10.9922.C38.o4.tc	Method	TBLASTX:Cress
Start	18229	End	18393
GI	none	Score	90
Exons	18229..18393, 18233..18298		

Seq. No.	18698	Seq. ID	OJ990426_10.9922.C39
Gene No.	39259	Strand	+
Start	3026	End	6213
Name	OJ990426_10.9922.C39.o1.gs	Method	GENSCAN
Start	3026	End	6213
GI	none	Score	.78
Exons	3026..3073, 5648..5714, 5951..6213		

Seq. No.	18698	Seq. ID	OJ990426_10.9922.C39
Gene No.	39259	Strand	+
Start	3026	End	6213
Name	OJ990426_10.9922.C39.o1.np	Method	AAT/NAP
Start	5074	End	5151
GI	6630699	Score	75
Exons	5074..5151		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18698	Seq. ID	OJ990426_10.9922.C39
Gene No.	39260	Strand	+
Start	7533	End	11356
Name	OJ990426_10.9922.C39.o2.gs	Method	GENSCAN
Start	7533	End	11356
GI	none	Score	.5
Exons	7533..7620, 9715..9838, 11179..11356		

Seq. No.	18698	Seq. ID	OJ990426_10.9922.C39
Gene No.	39261	Strand	-
Start	5290	End	5396
Name	OJ990426_10.9922.C39.o2.np	Method	AAT/NAP
Start	5290	End	5396
GI	5922620	Score	101
Exons	5290..5396		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	18699	Seq. ID	OJ990426_10.9922.C40
Gene No.	39262	Strand	+
Start	1	End	1903
Name	OJ990426_10.9922.C40.o1.gp	Method	AAT/GAP
Start	1	End	1903
GI	2131_1.R1084	Score	1805
Exons	1..276, 1138..1674, 1767..1903		
GI Descrip.	'417745/sp|P32112|SAHH_WHEAT 0.0e+00 ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) >gi_170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]'		

Seq. No.	18699	Seq. ID	OJ990426_10.9922.C40
Gene No.	39262	Strand	+
Start	1	End	1903
Name	OJ990426_10.9922.C40.o1.np	Method	AAT/NAP
Start	1	End	1903
GI	417745	Score	1476
Exons	1..276, 1138..1674, 1767..1903		
GI Descrip.	ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) gi|170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]		

Seq. No.	18699	Seq. ID	OJ990426_10.9922.C40
Gene No.	39262	Strand	+
Start	1	End	1903
Name	OJ990426_10.9922.C40.o1.tc	Method	TBLASTX:Cress
Start	1	End	1884
GI	none	Score	384
Exons	1..276, 9..275, 1086..1196, 1123..1677, 1135..1677, 1348..1449, 1764..1883, 1766..1882, 1824..1883, 1825..1884		

Seq. No.	18699	Seq. ID	OJ990426_10.9922.C40
Gene No.	39262	Strand	+
Start	1	End	1903
Name	OJ990426_10.9922.C40.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1890
GI	none	Score	402
Exons	1..276, 3..275, 1116..1196, 1123..1677, 1135..1674, 1272..1676, 1764..1883, 1766..1882, 1828..1890		

Seq. No.	18699	Seq. ID	OJ990426_10.9922.C40
Gene No.	39262	Strand	+
Start	1	End	1903
Name	OJ990426_10.9922.C40.o1.tm	Method	TBLASTX:Maize
Start	1	End	1883
GI	none	Score	439
Exons	1..276, 3..275, 1116..1196, 1123..1677, 1135..1674, 1266..1676, 1764..1883, 1766..1882		

Seq. No.	18699	Seq. ID	OJ990426_10.9922.C40
Gene No.	39262	Strand	+
Start	1	End	1903

Name	OJ990426_10.9922.C40.o1.gs	Method	GENSCAN
Start	67	End	1856
GI	none	Score	.81
Exons	67..276, 1138..1674, 1767..1856		

Seq. No.	18699	Seq. ID	OJ990426_10.9922.C40
Gene No.	39262	Strand	+
Start	1	End	1903
Name	OJ990426_10.9922.C40.o2.tw	Method	TBLASTX:Wheat
Start	81	End	1298
GI	none	Score	291
Exons	81..275, 82..276, 1116..1196, 1123..1296, 1136..1288, 1269..1298		

Seq. No.	18699	Seq. ID	OJ990426_10.9922.C40
Gene No.	39262	Strand	+
Start	1	End	1903
Name	OJ990426_10.9922.C40.o1.tw	Method	TBLASTX:Wheat
Start	1303	End	1883
GI	none	Score	580
Exons	1303..1677, 1305..1676, 1764..1883, 1766..1882		

Seq. No.	18700	Seq. ID	OJ990426_10.9922.C41
Gene No.	39263	Strand	+
Start	48	End	608
Name	OJ990426_10.9922.C41.o1.gs	Method	GENSCAN
Start	48	End	608
GI	none	Score	.49
Exons	48..102, 478..608		

Seq. No.	18701	Seq. ID	OJ990426_10.9922.C42
Gene No.	39264	Strand	+
Start	279	End	446
Name	OJ990426_10.9922.C42.o1.gp	Method	AAT/GAP
Start	279	End	446
GI	533_1.R1084	Score	164
Exons	279..370, 393..446		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	18702	Seq. ID	OJ990416_12.9923.C1
Gene No.	39265	Strand	+
Start	414	End	443
Name	OJ990416_12.9923.C1.o1.gs	Method	GENSCAN
Start	414	End	443
GI	none	Score	.91
Exons	414..443		

Seq. No.	18703	Seq. ID	OJ990416_12.9923.C2
Gene No.	39266	Strand	+
Start	248	End	382
Name	OJ990416_12.9923.C2.o1.gs	Method	GENSCAN
Start	248	End	382
GI	none	Score	.87
Exons	248..382		

Seq. No.	18704	Seq. ID	OJ990416_12.9923.C4
Gene No.	39267	Strand	-
Start	1	End	275
Name	OJ990416_12.9923.C4.o1.np	Method	AAT/NAP
Start	1	End	275
GI	6634727	Score	78
Exons	1..275		
GI Descrip.	(AC012463) T2E6.12 [Arabidopsis thaliana]		

Seq. No.	18704	Seq. ID	OJ990416_12.9923.C4
Gene No.	39267	Strand	-
Start	1	End	275
Name	OJ990416_12.9923.C4.o1.gs	Method	GENSCAN
Start	67	End	258
GI	none	Score	.76
Exons	67..258		

Seq. No.	18705	Seq. ID	OJ990416_12.9923.C5
Gene No.	39268	Strand	-
Start	1	End	3589
Name	OJ990416_12.9923.C5.o1.np	Method	AAT/NAP
Start	1	End	1094
GI	3372230	Score	262
Exons	1..134, 328..485, 1016..1094		
GI Descrip.	(AF017074) RNA polymerase I, II and III 16.5 kDa subunit [Arabidopsis thaliana] gi|4585968|gb|AAD25604.1|AC005287_6 (AC005287) RNA polymerase I, II and III 16.5 kDa subunit [Arabidopsis thaliana]		

Seq. No.	18705	Seq. ID	OJ990416_12.9923.C5
Gene No.	39268	Strand	-
Start	1	End	3589
Name	OJ990416_12.9923.C5.o1.gp	Method	AAT/GAP
Start	87	End	1361
GI	58148_1.R1084	Score	592
Exons	87..134, 328..485, 1016..1103, 1294..1361		
GI Descrip.	'3372230 3.0e-39 (AF017074) RNA polymerase I, II and III 16.5 kDa subunit [Arabidopsis thaliana] >gi_4585968_gb_AAD25604.1_AC005287_6 (AC005287) RNA polymerase I, II and III 16.5 kDa subunit [Arabidopsis thaliana]'		

Seq. No.	18705	Seq. ID	OJ990416_12.9923.C5
Gene No.	39268	Strand	-
Start	1	End	3589
Name	OJ990416_12.9923.C5.o1.gs	Method	GENSCAN
Start	286	End	3589
GI	none	Score	.45
Exons	286..485, 1016..1103, 3044..3142, 3494..3589		

Seq. No.	18705	Seq. ID	OJ990416_12.9923.C5
Gene No.	39268	Strand	-
Start	1	End	3589
Name	OJ990416_12.9923.C5.o2.np	Method	AAT/NAP
Start	2100	End	2210
GI	6223640	Score	54
Exons	2100..2210		
GI Descrip.	(AC011698) unknown protein [Arabidopsis thaliana]		

Seq. No.	18705	Seq. ID	OJ990416_12.9923.C5
Gene No.	39269	Strand	-
Start	3599	End	3835
Name	OJ990416_12.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	87	End	1101
GI	none	Score	63
Exons	87..137; 87..137, 88..138, 91..141, 328..486, 343..486, 344..490, 351..491, 1016..1084, 1017..1094, 1018..1101		

Seq. No.	18705	Seq. ID	OJ990416_12.9923.C5
Gene No.	39269	Strand	-
Start	3599	End	3835
Name	OJ990416_12.9923.C5.o2.gp	Method	AAT/GAP
Start	3599	End	3835
GI	2427783	Score	255
Exons	3599..3747, 3787..3835		

Seq. No.	18706	Seq. ID	OJ990416_12.9923.C6
Gene No.	39270	Strand	-
Start	82	End	307
Name	OJ990416_12.9923.C6.o1.gp	Method	AAT/GAP
Start	82	End	268
GI	5886_1.R1084	Score	293
Exons	82..268		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	18706	Seq. ID	OJ990416_12.9923.C6
Gene No.	39270	Strand	-
Start	82	End	307
Name	OJ990416_12.9923.C6.o1.gs	Method	GENSCAN
Start	162	End	307
GI	none	Score	.8
Exons	162..307		

Seq. No.	18706	Seq. ID	OJ990416_12.9923.C6
Gene No.	39271	Strand	-
Start	272	End	333
Name	OJ990416_12.9923.C6.o2.gp	Method	AAT/GAP
Start	272	End	333
GI	2409_1.R1084	Score	82
Exons	272..333		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	18707	Seq. ID	OJ990416_12.9923.C8
Gene No.	39272	Strand	+
Start	102	End	232
Name	OJ990416_12.9923.C8.o1.gs	Method	GENSCAN
Start	102	End	232
GI	none	Score	.5
Exons	102..232		

Seq. No.	18708	Seq. ID	OJ990416_12.9923.C9
Gene No.	39273	Strand	+
Start	187	End	233
Name	OJ990416_12.9923.C9.o1.gs	Method	GENSCAN
Start	187	End	233
GI	none	Score	.78
Exons	187..233		

Seq. No.	18709	Seq. ID	OJ990416_12.9923.C11
Gene No.	39274	Strand	-
Start	1	End	724
Name	OJ990416_12.9923.C11.o1.np	Method	AAT/NAP
Start	1	End	724
GI	1170949	Score	130
Exons	1..63, 288..455, 637..724		
GI Descrip.	SERINE/THREONINE-PROTEIN KINASE MHK gi|481207|pir||S38327 protein kinase - Arabidopsis thaliana gi|166811 (L07249) protein kinase [Arabidopsis thaliana]		

Seq. No.	18709	Seq. ID	OJ990416_12.9923.C11
Gene No.	39274	Strand	-
Start	1	End	724
Name	OJ990416_12.9923.C11.o1.gs	Method	GENSCAN
Start	194	End	417
GI	none	Score	.9
Exons	194..228, 313..417		

Seq. No.	18710	Seq. ID	OJ990416_12.9923.C13
Gene No.	39275	Strand	-
Start	243	End	606
Name	OJ990416_12.9923.C13.o1.gs	Method	GENSCAN
Start	243	End	606
GI	none	Score	.71
Exons	243..606		

Seq. No.	18711	Seq. ID	OJ990416_12.9923.C15
Gene No.	39276	Strand	-
Start	85	End	237
Name	OJ990416_12.9923.C15.o1.gs	Method	GENSCAN
Start	85	End	237
GI	none	Score	.97
Exons	85..237		

Seq. No.	18712	Seq. ID	OJ990416_12.9923.C18
Gene No.	39277	Strand	-
Start	142	End	231
Name	OJ990416_12.9923.C18.o1.gs	Method	GENSCAN
Start	142	End	231
GI	none	Score	.95
Exons	142..231		

Seq. No.	18713	Seq. ID	OJ990416_12.9923.C20
Gene No.	39278	Strand	+
Start	255	End	454
Name	OJ990416_12.9923.C20.o1.gs	Method	GENSCAN
Start	255	End	454

GI	none	Score	.85
Exons	255..330, 336..454		

Seq. No.	18713	Seq. ID	OJ990416_12.9923.C20
Gene No.	39279	Strand	-
Start	1	End	98
Name	OJ990416_12.9923.C20.o1.gp	Method	AAT/GAP
Start	1	End	98
GI	none	Score	170
Exons	1..98		

Seq. No.	18713	Seq. ID	OJ990416_12.9923.C20
Gene No.	39280	Strand	-
Start	1441	End	1666
Name	OJ990416_12.9923.C20.o2.gs	Method	GENSCAN
Start	1441	End	1666
GI	none	Score	.91
Exons	1441..1531, 1592..1666		

Seq. No.	18714	Seq. ID	OJ990416_12.9923.C21
Gene No.	39281	Strand	-
Start	293	End	419
Name	OJ990416_12.9923.C21.o1.gs	Method	GENSCAN
Start	293	End	419
GI	none	Score	.61
Exons	293..419		

Seq. No.	18715	Seq. ID	OJ990416_12.9923.C22
Gene No.	39282	Strand	-
Start	511	End	568
Name	OJ990416_12.9923.C22.o1.gs	Method	GENSCAN
Start	511	End	568
GI	none	Score	.63
Exons	511..568		

Seq. No.	18716	Seq. ID	OJ990416_12.9923.C23
Gene No.	39283	Strand	+
Start	155	End	402
Name	OJ990416_12.9923.C23.o1.gs	Method	GENSCAN
Start	155	End	402
GI	none	Score	.77
Exons	155..402		

Seq. No.	18716	Seq. ID	OJ990416_12.9923.C23
Gene No.	39284	Strand	-
Start	120	End	435
Name	OJ990416_12.9923.C23.o1.gp	Method	AAT/GAP
Start	120	End	435
GI	2427783	Score	558
Exons	120..435		

Seq. No.	18716	Seq. ID	OJ990416_12.9923.C23
Gene No.	39285	Strand	-
Start	624	End	791
Name	OJ990416_12.9923.C23.o2.gs	Method	GENSCAN
Start	624	End	791
GI	none	Score	.98

Exons	624..791		
Seq. No.	18717	Seq. ID	OJ990416_12.9923.C24
Gene No.	39286	Strand	-
Start	1674	End	2065
Name	OJ990416_12.9923.C24.o1.gs	Method	GENSCAN
Start	1674	End	2065
GI	none	Score	.98
Exons	1674..1840, 1897..2065		
Seq. No.	18718	Seq. ID	OJ990416_12.9923.C25
Gene No.	39287	Strand	+
Start	1	End	257
Name	OJ990416_12.9923.C25.o1.np	Method	AAT/NAP
Start	1	End	257
GI	6505722	Score	251
Exons	1..257		
GI Descrip.	(AB032123) ribosomal RNA apurinic site specific lyase [Triticum aestivum] gi|6513849|dbj|BAA87876.1| (AB032124) ribosomal RNA apurinic site specific lyase [Triticum aestivum]		
Seq. No.	18718	Seq. ID	OJ990416_12.9923.C25
Gene No.	39288	Strand	-
Start	1583	End	6872
Name	OJ990416_12.9923.C25.o2.gs	Method	GENSCAN
Start	1583	End	4747
GI	none	Score	.67
Exons	1583..1955, 2052..2425, 2622..2807, 4058..4747		
Seq. No.	18718	Seq. ID	OJ990416_12.9923.C25
Gene No.	39288	Strand	-
Start	1583	End	6872
Name	OJ990416_12.9923.C25.o1.gp	Method	AAT/GAP
Start	2273	End	2962
GI	3548950	Score	802
Exons	2273..2425, 2524..2739, 2846..2962		
Seq. No.	18718	Seq. ID	OJ990416_12.9923.C25
Gene No.	39288	Strand	-
Start	1583	End	6872
Name	OJ990416_12.9923.C25.o2.np	Method	AAT/NAP
Start	3797	End	6872
GI	4538896	Score	1051
Exons	3797..4838, 4899..5416, 6852..6872		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		
Seq. No.	18718	Seq. ID	OJ990416_12.9923.C25
Gene No.	39289	Strand	-
Start	9002	End	9067
Name	OJ990416_12.9923.C25.o2.tm	Method	TBLASTX:Maize
Start	3740	End	4123
GI	none	Score	125
Exons	3740..3844, 3744..3884, 3777..3887, 3808..3924, 3894..4112, 3894..4112, 3896..4123, 3899..4123		
Seq. No.	18718	Seq. ID	OJ990416_12.9923.C25
Gene No.	39289	Strand	-

Start	9002	End	9067
Name	OJ990416_12.9923.C25.o1.tm	Method	TBLASTX:Maize
Start	4859	End	5129
GI	none	Score	261
Exons	4859..5128, 4860..5129, 4860..5129		

Seq. No.	18718	Seq. ID	OJ990416_12.9923.C25
Gene No.	39289	Strand	-
Start	9002	End	9067
Name	OJ990416_12.9923.C25.o4.gs	Method	GENSCAN
Start	9002	End	9067
GI	none	Score	.58
Exons	9002..9067		

Seq. No.	18719	Seq. ID	OJ990416_12.9923.C26
Gene No.	39290	Strand	+
Start	1110	End	1183
Name	OJ990416_12.9923.C26.o1.gs	Method	GENSCAN
Start	1110	End	1183
GI	none	Score	.89
Exons	1110..1183		

Seq. No.	18719	Seq. ID	OJ990416_12.9923.C26
Gene No.	39291	Strand	-
Start	1737	End	5176
Name	OJ990416_12.9923.C26.o2.gs	Method	GENSCAN
Start	1737	End	5176
GI	none	Score	.84
Exons	1737..1799, 1892..2090, 2199..2691, 3179..3316, 3711..3818, 5032..5176		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39292	Strand	+
Start	1677	End	14379
Name	OJ990416_12.9923.C27.o1.gp	Method	AAT/GAP
Start	1677	End	3894
GI	none	Score	820
Exons	1677..1893, 3471..3594, 3676..3777, 3869..3894		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39292	Strand	+
Start	1677	End	14379
Name	OJ990416_12.9923.C27.o2.gs	Method	GENSCAN
Start	2489	End	14379
GI	none	Score	.73
Exons	2489..2499, 3828..3999, 4083..4352, 4524..4702, 5802..5845, 6024..6113, 6201..6317, 6447..6532, 6612..6884, 6982..7115, 7441..7545, 12200..12355, 12413..12533, 12538..12623, 13020..13157, 13567..13732, 14164..14379		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39292	Strand	+
Start	1677	End	14379
Name	OJ990416_12.9923.C27.o1.np	Method	AAT/NAP
Start	2945	End	7627
GI	5803253	Score	541
Exons	2945..3028, 3868..3999, 4083..4352, 6023..6113, 6201..6317,		

	6435..6536, 6619..6884, 6982..7115, 7441..7627		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		
Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39292	Strand	+
Start	1677	End	14379
Name	OJ990416_12.9923.C27.o2.gp	Method	AAT/GAP
Start	7039	End	7724
GI	none	Score	834
Exons	7039..7115, 7247..7333, 7441..7724		
Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39293	Strand	+
Start	15362	End	15626
Name	OJ990416_12.9923.C27.o5.gp	Method	AAT/GAP
Start	15362	End	15626
GI	5607533	Score	144
Exons	15362..15386, 15524..15626		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		
Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39294	Strand	+
Start	27698	End	30186
Name	OJ990416_12.9923.C27.o5.np	Method	AAT/NAP
Start	27698	End	30186
GI	6006359	Score	68
Exons	27698..27721, 29487..29587, 30159..30186		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		
Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39295	Strand	-
Start	14542	End	14758
Name	OJ990416_12.9923.C27.o3.gp	Method	AAT/GAP
Start	14542	End	14758
GI	5886_1.R1084	Score	303
Exons	14542..14758		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		
Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39296	Strand	-
Start	15673	End	16949
Name	OJ990416_12.9923.C27.o3.np	Method	AAT/NAP
Start	14669	End	16552
GI	128732	Score	187
Exons	14669..14738, 16392..16552		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 4, CHLOROPLAST gi|66181|pir||DERZN4 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4 - rice chloroplast gi|12050|emb|CAA33953| (X15901) NADH dehydrogenase ND4 [Oryza sativa] gi|226670|prf||1603356CX NADH dehydrogenase ND4 [Oryza sativa]		
Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39296	Strand	-

Start	15673	End	16949
Name	OJ990416_12.9923.C27.o4.gp	Method	AAT/GAP
Start	14731	End	14790
GI	2409_1.R1084	Score	77
Exons	14731..14790		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39296	Strand	-
Start	15673	End	16949
Name	OJ990416_12.9923.C27.o4.np	Method	AAT/NAP
Start	15248	End	16897
GI	116528	Score	106
Exons	15248..15276, 16638..16897		
GI Descrip.	PROBABLE CLPP-LIKE PROTEASE (ENDOPEPTIDASE CLP) (ORF 216) gi|82633|pir||S12408 probable proteinase, ATP-dependent, chain cplP - wheat chloroplast gi|12336|emb|CAA38354| (X54484) proteolytic subunit of ATP-dependent protease [Triticum aestivum]		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39296	Strand	-
Start	15673	End	16949
Name	OJ990416_12.9923.C27.o3.gs	Method	GENSCAN
Start	15673	End	16949
GI	none	Score	.92
Exons	15673..15792, 16598..16666, 16890..16949		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39296	Strand	-
Start	15673	End	16949
Name	OJ990416_12.9923.C27.o2.np	Method	AAT/NAP
Start	15679	End	15846
GI	82532	Score	254
Exons	15679..15846		
GI Descrip.	hypothetical 6K protein (rps15-trnL intergenic region) - rice chloroplast gi|12046|emb|CAA33949| (X15901) ORF56; 5' portion of ORF393 [Oryza sativa] gi|226666|prf||1603356CT ORF 393 N term [Oryza sativa]		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39297	Strand	-
Start	18815	End	25956
Name	OJ990416_12.9923.C27.o7.gp	Method	AAT/GAP
Start	18428	End	18828
GI	uC-osflcyp032b11b1	Score	794
Exons	18428..18828		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39297	Strand	-

Start	18815	End	25956
Name	OJ990416_12.9923.C27.o4.gs	Method	GENSCAN
Start	18815	End	25956
GI	none	Score	.45
Exons	18815..19265, 19394..19499, 19662..19747, 20901..20991, 22595..22719, 22780..22883, 23178..23603, 24081..24233, 25398..25656, 25742..25873, 25895..25956		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39298	Strand	-
Start	26805	End	28433
Name	OJ990416_12.9923.C27.o3.tm	Method	TBLASTX:Maize
Start	3850	End	4295
GI	none	Score	86
Exons	3850..3966, 3927..3965, 4075..4215, 4076..4201, 4083..4295		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39298	Strand	-
Start	26805	End	28433
Name	OJ990416_12.9923.C27.o1.tm	Method	TBLASTX:Maize
Start	6071	End	7126
GI	none	Score	42
Exons	6071..6115, 6200..6256, 6281..6319, 6289..6318, 6400..6531, 6407..6535, 6419..6535, 6604..6699, 6605..6703, 6611..6700, 6642..6704, 6695..6892, 6756..6899, 6759..6884, 6939..7061, 6967..7095, 6979..7062, 6980..7126, 7013..7063		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39298	Strand	-
Start	26805	End	28433
Name	OJ990416_12.9923.C27.o2.tm	Method	TBLASTX:Maize
Start	12955	End	13296
GI	none	Score	73
Exons	12955..13059, 12981..13061, 13005..13064, 13063..13221, 13063..13221, 13161..13226, 13163..13225, 13225..13296		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39298	Strand	-
Start	26805	End	28433
Name	OJ990416_12.9923.C27.o1.ts	Method	TBLASTX:Soybean
Start	15659	End	15852
GI	none	Score	208
Exons	15659..15832, 15688..15852		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39298	Strand	-
Start	26805	End	28433
Name	OJ990416_12.9923.C27.o2.ts	Method	TBLASTX:Soybean
Start	16408	End	16547
GI	none	Score	172
Exons	16408..16542, 16413..16544, 16414..16545, 16415..16546, 16416..16547		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39298	Strand	-
Start	26805	End	28433
Name	OJ990416_12.9923.C27.o1.tc	Method	TBLASTX:Cress

Start	16413	End	16547
GI	none	Score	167
Exons	16413..16547, 16414..16545		

Seq. No.	18720	Seq. ID	OJ990416_12.9923.C27
Gene No.	39298	Strand	-
Start	26805	End	28433
Name	OJ990416_12.9923.C27.o5.gs	Method	GENSCAN
Start	26805	End	28433
GI	none	Score	.58
Exons	26805..27243, 27817..27914, 28332..28433		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39299	Strand	+
Start	6529	End	11937
Name	OJ990416_12.9923.C28.o2.np	Method	AAT/NAP
Start	6529	End	11104
GI	2832676	Score	425
Exons	6529..6688, 7712..7866, 7974..8067, 8192..8307, 8542..8624, 9005..9030, 9132..9200, 11049..11104		
GI Descrip.	(AL021712) putative protein [Arabidopsis thaliana]		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39299	Strand	+
Start	6529	End	11937
Name	OJ990416_12.9923.C28.o3.gp	Method	AAT/GAP
Start	7556	End	8030
GI	uC-osrocyp014e12b1	Score	543
Exons	7556..7866, 7974..8030		
GI Descrip.	'3929647/emb|CAA06190| 4.0e-11 (AJ004881) Immutans protein [Arabidopsis thaliana]'		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39299	Strand	+
Start	6529	End	11937
Name	OJ990416_12.9923.C28.o4.gs	Method	GENSCAN
Start	8993	End	11937
GI	none	Score	.86
Exons	8993..9030, 11513..11666, 11740..11937		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39300	Strand	+
Start	15210	End	21337
Name	OJ990416_12.9923.C28.o4.gp	Method	AAT/GAP
Start	15210	End	17157
GI	28521_1.R1084	Score	1483
Exons	15210..15304, 15694..16051, 16132..16210, 16468..16536, 16619..16708, 17053..17157		
GI Descrip.	'5123943/emb|CAB45501.1| 2.0e-37 (AL079349) serine/threonine-specific protein kinase MHK [Arabidopsis thaliana]'		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39300	Strand	+
Start	15210	End	21337
Name	OJ990416_12.9923.C28.o3.np	Method	AAT/NAP
Start	16100	End	20997

GI	5123943	Score	815
Exons	16100..16210, 16468..16536, 16619..16708, 17053..17191, 17277..17379, 17464..17516, 17662..17728, 18241..18349, 18428..18493, 18806..18893, 19075..19275, 20958..20997		
GI Descrip.	(AL079349) serine/threonine-specific protein kinase MHK [Arabidopsis thaliana]		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39300	Strand	+
Start	15210	End	21337
Name	OJ990416_12.9923.C28.o6.gs	Method	GENSCAN
Start	16483	End	21337
GI	none	Score	.75
Exons	16483..16536, 17053..17191, 17277..17379, 18241..18349, 18428..18493, 18955..19012, 19113..19217, 19302..19336, 19425..19470, 19622..19706, 19797..19902, 20362..20427, 21230..21337		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39301	Strand	-
Start	127	End	5791
Name	OJ990416_12.9923.C28.o1.gs	Method	GENSCAN
Start	127	End	1533
GI	none	Score	.76
Exons	127..216, 1290..1460, 1489..1533		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39301	Strand	-
Start	127	End	5791
Name	OJ990416_12.9923.C28.o1.np	Method	AAT/NAP
Start	996	End	5791
GI	6016874	Score	2157
Exons	996..1016, 2861..3114, 3623..3962, 4074..4253, 4647..4806, 5196..5428, 5493..5630, 5713..5791		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39301	Strand	-
Start	127	End	5791
Name	OJ990416_12.9923.C28.o2.gs	Method	GENSCAN
Start	2867	End	5791
GI	none	Score	.52
Exons	2867..3122, 3623..4019, 4074..4253, 4647..4806, 5196..5428, 5493..5620, 5643..5791		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39301	Strand	-
Start	127	End	5791
Name	OJ990416_12.9923.C28.o2.gp	Method	AAT/GAP
Start	4596	End	5103
GI	uC-osflcyp110c07b1	Score	961
Exons	4596..5103		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39302	Strand	-
Start	13340	End	15839
Name	OJ990416_12.9923.C28.o4.tm	Method	TBLASTX:Maize
Start	3685	End	3928
GI	none	Score	97
Exons	3685..3918, 3770..3928		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39302	Strand	-
Start	13340	End	15839
Name	OJ990416_12.9923.C28.o6.tm	Method	TBLASTX:Maize
Start	4004	End	4386
GI	none	Score	141
Exons	4004..4375, 4105..4386		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39302	Strand	-
Start	13340	End	15839
Name	OJ990416_12.9923.C28.o5.tm	Method	TBLASTX:Maize
Start	4591	End	4905
GI	none	Score	108
Exons	4591..4818, 4592..4810, 4831..4905		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39302	Strand	-
Start	13340	End	15839
Name	OJ990416_12.9923.C28.o3.tm	Method	TBLASTX:Maize
Start	4998	End	5444
GI	none	Score	110
Exons	4998..5036, 5031..5087, 5124..5372, 5164..5373, 5358..5444		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39302	Strand	-
Start	13340	End	15839
Name	OJ990416_12.9923.C28.o2.tm	Method	TBLASTX:Maize
Start	7692	End	8274
GI	none	Score	98
Exons	7692..7832, 7693..7794, 7810..7866, 7949..8083, 7956..8087, 8190..8273, 8191..8274, 8200..8274		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39302	Strand	-
Start	13340	End	15839
Name	OJ990416_12.9923.C28.o1.tc	Method	TBLASTX:Cress
Start	7810	End	9192
GI	none	Score	72
Exons	7810..7866, 7833..7880, 7973..8086, 7974..8087, 8077..8190, 8190..8309, 8191..8307, 8191..8310, 8192..8308, 8192..8338, 9130..9192, 9131..9190		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39302	Strand	-
Start	13340	End	15839
Name	OJ990416_12.9923.C28.o2.ts	Method	TBLASTX:Soybean
Start	7810	End	8311

GI	none	Score	59
Exons	7810..7866, 7833..7868, 7973..8065, 7974..8102, 7987..8067, 8190..8309, 8191..8307, 8203..8310, 8210..8311		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39302	Strand	-
Start	13340	End	15839
Name	OJ990416_12.9923.C28.o5.gs	Method	GENSCAN
Start	13340	End	15839
GI	none	Score	.72
Exons	13340..13398, 13829..13937, 14847..14965, 15061..15492, 15740..15839		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39303	Strand	
Start	15948	End	19688
Name	OJ990416_12.9923.C28.o1.tm	Method	TBLASTX:Maize
Start	15948	End	18847
GI	none	Score	82
Exons	15948..16052, 15950..16051, 16125..16211, 16130..16216, 16130..16210, 16458..16535, 16470..16538, 16471..16542, 16474..16536, 16585..16710, 16613..16708, 17032..17190, 17052..17189, 17056..17202, 17277..17336, 17279..17335, 17303..17380, 17323..17385, 17340..17450, 17340..17381, 17464..17514, 17465..17515, 17660..17728, 17661..17723, 17665..17727, 18225..18344, 18230..18349, 18239..18349, 18430..18489, 18431..18493, 18434..18493, 18803..18847, 18805..18846		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39303	Strand	
Start	15948	End	19688
Name	OJ990416_12.9923.C28.o2.tc	Method	TBLASTX:Cress
Start	16124	End	19258
GI	none	Score	107
Exons	16124..16216, 16129..16212, 16467..16532, 16468..16542, 16613..16708, 16630..16710, 17032..17190, 17058..17189, 17059..17202, 17275..17373, 17276..17380, 17279..17380, 17287..17409, 17464..17511, 17465..17515, 17660..17728, 17661..17723, 18238..18339, 18239..18340, 18425..18490, 18448..18489, 18806..18877, 19120..19209, 19121..19258		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39303	Strand	
Start	15948	End	19688
Name	OJ990416_12.9923.C28.o1.tw	Method	TBLASTX:Wheat
Start	16488	End	17720
GI	none	Score	75
Exons	16488..16532, 16489..16551, 16613..16708, 16627..16710, 16634..16708, 17032..17190, 17052..17189, 17113..17190, 17275..17373, 17276..17380, 17464..17487, 17465..17515, 17661..17720		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39303	Strand	
Start	15948	End	19688
Name	OJ990416_12.9923.C28.o1.ts	Method	TBLASTX:Soybean

Start	17032	End	17515
GI	none	Score	176
Exons	17032..17190, 17052..17189, 17059..17190, 17275..17406, 17276..17380, 17308..17406, 17465..17515		

Seq. No.	18721	Seq. ID	OJ990416_12.9923.C28
Gene No.	39303	Strand	
Start	15948	End	19688
Name	OJ990416_12.9923.C28.o7.tm	Method	TBLASTX:Maize
Start	18961	End	19688
GI	none	Score	50
Exons	18961..18993, 19121..19216, 19121..19216, 19122..19217, 19299..19337, 19310..19345, 19415..19510, 19422..19472, 19570..19683, 19620..19688		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39304	Strand	+
Start	31	End	1041
Name	OJ990416_12.9923.C29.o1.np	Method	AAT/NAP
Start	31	End	1041
GI	6721543	Score	116
Exons	31..159, 607..682, 1001..1041		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39304	Strand	+
Start	31	End	1041
Name	OJ990416_12.9923.C29.o1.gp	Method	AAT/GAP
Start	45	End	453
GI	7406_1.R1084	Score	677
Exons	45..453		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39305	Strand	+
Start	4991	End	5154
Name	OJ990416_12.9923.C29.o4.gp	Method	AAT/GAP
Start	4991	End	5154
GI	7406_1.R1084	Score	217
Exons	4991..5154		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39306	Strand	-
Start	484	End	5167
Name	OJ990416_12.9923.C29.o1.gs	Method	GENSCAN
Start	484	End	4552
GI	none	Score	.53
Exons	484..626, 777..979, 984..1031, 1095..1226, 1317..1354, 1420..1602, 1695..2220, 2422..2559, 2679..4552		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39306	Strand	-
Start	484	End	5167
Name	OJ990416_12.9923.C29.o2.np	Method	AAT/NAP

Start	745	End	4099
GI	5441880	Score	2726
Exons	745..979, 1095..1226, 1317..1340, 1377..1450, 1695..2360, 2618..2649, 3094..4099		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39306	Strand	-
Start	484	End	5167
Name	OJ990416_12.9923.C29.o2.gp	Method	AAT/GAP
Start	1703	End	1939
GI	LIB3475-007-P1-K1-G8	Score	431
Exons	1703..1939		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39306	Strand	-
Start	484	End	5167
Name	OJ990416_12.9923.C29.o1.tw	Method	TBLASTX:Wheat
Start	2864	End	3244
GI	none	Score	77
Exons	2864..3040, 2894..3040, 2925..3044, 3038..3235, 3050..3244		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39306	Strand	-
Start	484	End	5167
Name	OJ990416_12.9923.C29.o1.tm	Method	TBLASTX:Maize
Start	2942	End	3538
GI	none	Score	151
Exons	2942..3013, 3077..3376, 3138..3359, 3410..3538, 3432..3530		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39306	Strand	-
Start	484	End	5167
Name	OJ990416_12.9923.C29.o3.gp	Method	AAT/GAP
Start	3064	End	3495
GI	5701669	Score	841
Exons	3064..3495		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18722	Seq. ID	OJ990416_12.9923.C29
Gene No.	39306	Strand	-
Start	484	End	5167
Name	OJ990416_12.9923.C29.o3.np	Method	AAT/NAP
Start	4112	End	5167
GI	6721543	Score	192
Exons	4112..4228, 5042..5167		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18723	Seq. ID	OJ990416_12.9923.C30
Gene No.	39307	Strand	+

Start	285	End	7375
Name	OJ990416_12.9923.C30.o1.gs	Method	GENSCAN
Start	285	End	7375
GI	none	Score	.71
Exons	285..415, 1416..1497, 2278..2454, 2517..2687, 2780..2835, 5339..6770, 6885..7375		

Seq. No.	18723	Seq. ID	OJ990416_12.9923.C30
Gene No.	39307	Strand	+
Start	285	End	7375
Name	OJ990416_12.9923.C30.o1.np	Method	AAT/NAP
Start	2749	End	7372
GI	6642637	Score	414
Exons	2749..2811, 5324..5782, 6338..6770, 6885..7372		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	18723	Seq. ID	OJ990416_12.9923.C30
Gene No.	39307	Strand	+
Start	285	End	7375
Name	OJ990416_12.9923.C30.o1.tm	Method	TBLASTX:Maize
Start	5693	End	6383
GI	none	Score	195
Exons	5693..5914, 5696..5836, 5697..5888, 5779..5913, 5933..6142, 5961..6029, 5963..6142, 6076..6375, 6118..6258, 6146..6376, 6152..6376, 6153..6383, 6274..6375, 6275..6376, 6287..6376, 6291..6383		

Seq. No.	18723	Seq. ID	OJ990416_12.9923.C30
Gene No.	39307	Strand	+
Start	285	End	7375
Name	OJ990416_12.9923.C30.o1.gp	Method	AAT/GAP
Start	5876	End	6525
GI	3763684	Score	1241
Exons	5876..6525		

Seq. No.	18723	Seq. ID	OJ990416_12.9923.C30
Gene No.	39307	Strand	+
Start	285	End	7375
Name	OJ990416_12.9923.C30.o2.tm	Method	TBLASTX:Maize
Start	6416	End	7333
GI	none	Score	70
Exons	6416..6463, 6423..6479, 6495..6542, 6522..6542, 6591..6647, 6598..6648, 6647..6763, 6722..6772, 6899..7015, 6900..7082, 6900..7034, 7039..7071, 7100..7279, 7118..7255, 7264..7332, 7265..7333		

Seq. No.	18724	Seq. ID	OJ990416_12.9923.C31
Gene No.	39308	Strand	-
Start	1	End	345
Name	OJ990416_12.9923.C31.o1.np	Method	AAT/NAP
Start	1	End	345
GI	6630556	Score	224
Exons	1..100, 205..345		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18724	Seq. ID	OJ990416_12.9923.C31

Gene No.	39308	Strand	-
Start	1	End	345
Name	OJ990416_12.9923.C31.o1.tm	Method	TBLASTX:Maize
Start	1	End	277
GI	none	Score	176
Exons	1..102, 1..99, 2..109, 3..101, 191..277, 204..275		

Seq. No.	18724	Seq. ID	OJ990416_12.9923.C31
Gene No.	39308	Strand	-
Start	1	End	345
Name	OJ990416_12.9923.C31.o1.ts	Method	TBLASTX:Soybean
Start	1	End	277
GI	none	Score	171
Exons	1..102, 1..78, 3..101, 191..277, 204..275		

Seq. No.	18724	Seq. ID	OJ990416_12.9923.C31
Gene No.	39308	Strand	-
Start	1	End	345
Name	OJ990416_12.9923.C31.o1.tc	Method	TBLASTX:Cress
Start	10	End	277
GI	none	Score	81
Exons	10..102, 12..101, 206..277		

Seq. No.	18724	Seq. ID	OJ990416_12.9923.C31
Gene No.	39308	Strand	-
Start	1	End	345
Name	OJ990416_12.9923.C31.o1.gp	Method	AAT/GAP
Start	178	End	276
GI	31091_1.R1084	Score	110
Exons	178..276		
GI Descrip.	'5107819/gb|AAD40132.1|AF149413_13 3.0e-50 (AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]'		

Seq. No.	18725	Seq. ID	OJ990416_12.9923.C34
Gene No.	39309	Strand	+
Start	71	End	190
Name	OJ990416_12.9923.C34.o1.gs	Method	GENSCAN
Start	71	End	190
GI	none	Score	.4
Exons	71..190		

Seq. No.	18726	Seq. ID	OJ990416_12.9923.C35
Gene No.	39310	Strand	+
Start	154	End	399
Name	OJ990416_12.9923.C35.o1.gs	Method	GENSCAN
Start	154	End	399
GI	none	Score	.42
Exons	154..399		

Seq. No.	18726	Seq. ID	OJ990416_12.9923.C35
Gene No.	39311	Strand	+
Start	355	End	558
Name	OJ990416_12.9923.C35.o1.tm	Method	TBLASTX:Maize
Start	181	End	554
GI	none	Score	99
Exons	181..318, 201..305, 375..554, 413..553		

Seq. No.	18726	Seq. ID	OJ990416_12.9923.C35
Gene No.	39311	Strand	+
Start	355	End	558
Name	OJ990416_12.9923.C35.o1.np	Method	AAT/NAP
Start	355	End	558
GI	6069646	Score	125
Exons	355..558		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	18727	Seq. ID	OJ990416_12.9923.C38
Gene No.	39312	Strand	-
Start	27	End	250
Name	OJ990416_12.9923.C38.o1.gs	Method	GENSCAN
Start	27	End	250
GI	none	Score	.69
Exons	27..250		

Seq. No.	18728	Seq. ID	OJ990416_12.9923.C39
Gene No.	39313	Strand	-
Start	1	End	295
Name	OJ990416_12.9923.C39.o1.np	Method	AAT/NAP
Start	1	End	295
GI	4538896	Score	171
Exons	1..295		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		

Seq. No.	18729	Seq. ID	OJ990416_12.9923.C40
Gene No.	39314	Strand	+
Start	834	End	928
Name	OJ990416_12.9923.C40.o1.gp	Method	AAT/GAP
Start	834	End	928
GI	28521_1.R1084	Score	173
Exons	834..928		
GI Descrip.	'5123943/emb|CAB45501.1| 2.0e-37 (AL079349) serine/threonine-specific protein kinase MHK [Arabidopsis thaliana]'		

Seq. No.	18729	Seq. ID	OJ990416_12.9923.C40
Gene No.	39315	Strand	-
Start	590	End	1116
Name	OJ990416_12.9923.C40.o1.gs	Method	GENSCAN
Start	590	End	1116
GI	none	Score	.57
Exons	590..1116		

Seq. No.	18730	Seq. ID	OJ990416_12.9923.C41
Gene No.	39316	Strand	+
Start	58	End	176
Name	OJ990416_12.9923.C41.o1.gp	Method	AAT/GAP
Start	58	End	176
GI	uC-osf1cyp032b11b1	Score	212
Exons	58..176		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450		

[Arabidopsis thaliana]'

Seq. No.	18730	Seq. ID	OJ990416_12.9923.C41
Gene No.	39317	Strand	-
Start	163	End	478
Name	OJ990416_12.9923.C41.o1.gs	Method	GENSCAN
Start	163	End	478
GI	none	Score	.71
Exons	163..366, 415..478		

Seq. No.	18731	Seq. ID	OJ990416_12.9923.C45
Gene No.	39318	Strand	+
Start	1	End	844
Name	OJ990416_12.9923.C45.o1.np	Method	AAT/NAP
Start	1	End	844
GI	6630556	Score	261
Exons	1..53, 169..360, 743..844		
GI Descrip.	(AC011708) putative alpha-L-arabinofuranosidase [Arabidopsis thaliana]		

Seq. No.	18731	Seq. ID	OJ990416_12.9923.C45
Gene No.	39318	Strand	+
Start	1	End	844
Name	OJ990416_12.9923.C45.o1.tm	Method	TBLASTX:Maize
Start	165	End	844
GI	none	Score	171
Exons	165..359, 192..359, 193..360, 742..843, 743..844		

Seq. No.	18731	Seq. ID	OJ990416_12.9923.C45
Gene No.	39318	Strand	+
Start	1	End	844
Name	OJ990416_12.9923.C45.o1.gs	Method	GENSCAN
Start	170	End	360
GI	none	Score	.57
Exons	170..360		

Seq. No.	18731	Seq. ID	OJ990416_12.9923.C45
Gene No.	39318	Strand	+
Start	1	End	844
Name	OJ990416_12.9923.C45.o1.ts	Method	TBLASTX:Soybean
Start	193	End	844
GI	none	Score	153
Exons	193..309, 193..309, 312..359, 313..360, 743..844		

Seq. No.	18732	Seq. ID	OJ990416_12.9923.C46
Gene No.	39319	Strand	+
Start	1	End	511
Name	OJ990416_12.9923.C46.o1.np	Method	AAT/NAP
Start	1	End	511
GI	5107819	Score	142
Exons	1..136, 439..511		
GI Descrip.	(AF149413) contains similarity to arabinosidase [Arabidopsis thaliana]		

Seq. No.	18732	Seq. ID	OJ990416_12.9923.C46
Gene No.	39319	Strand	+
Start	1	End	511

Name	OJ990416_12.9923.C46.o1.tw	Method	TBLASTX:Wheat
Start	1	End	108
GI	none	Score	174
Exons	1..108, 3..107		

Seq. No.	18732	Seq. ID	OJ990416_12.9923.C46
Gene No.	39319	Strand	+
Start	1	End	511
Name	OJ990416_12.9923.C46.o1.gs	Method	GENSCAN
Start	52	End	133
GI	none	Score	.97
Exons	52..133		

Seq. No.	18733	Seq. ID	OJ990416_12.9923.C47
Gene No.	39320	Strand	-
Start	249	End	334
Name	OJ990416_12.9923.C47.o1.np	Method	AAT/NAP
Start	249	End	334
GI	6721547	Score	81
Exons	249..334		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	18734	Seq. ID	OJ990416_12.9923.C48
Gene No.	39321	Strand	+
Start	1	End	595
Name	OJ990416_12.9923.C48.o1.np	Method	AAT/NAP
Start	1	End	595
GI	1170949	Score	300
Exons	1..41, 127..229, 314..366, 512..595		
GI Descrip.	SERINE/THREONINE-PROTEIN KINASE MHK gi|481207|pir||S38327 protein kinase - Arabidopsis thaliana gi|166811 (L07249) protein kinase [Arabidopsis thaliana]		

Seq. No.	18734	Seq. ID	OJ990416_12.9923.C48
Gene No.	39321	Strand	+
Start	1	End	595
Name	OJ990416_12.9923.C48.o1.ts	Method	TBLASTX:Soybean
Start	1	End	578
GI	none	Score	67
Exons	1..39, 2..40, 125..232, 126..230, 158..235, 314..343, 315..365, 510..578, 511..573		

Seq. No.	18734	Seq. ID	OJ990416_12.9923.C48
Gene No.	39321	Strand	+
Start	1	End	595
Name	OJ990416_12.9923.C48.o1.tc	Method	TBLASTX:Cress
Start	1	End	578
GI	none	Score	73
Exons	1..39, 2..40, 2..52, 125..223, 126..230, 127..231, 129..230, 137..259, 299..361, 314..361, 315..365, 510..578, 511..573		

Seq. No.	18734	Seq. ID	OJ990416_12.9923.C48
Gene No.	39321	Strand	+
Start	1	End	595
Name	OJ990416_12.9923.C48.o1.tm	Method	TBLASTX:Maize
Start	1	End	578
GI	none	Score	79

Exons	1..39, 2..40, 127..186, 129..185, 153..230, 173..235, 189..230, 190..300, 190..231, 314..364, 315..365, 510..578, 511..573, 515..577		
Seq. No.	18734	Seq. ID	OJ990416_12.9923.C48
Gene No.	39321	Strand	+
Start	1	End	595
Name	OJ990416_12.9923.C48.o1.tw	Method	TBLASTX:Wheat
Start	2	End	588
GI	none	Score	67
Exons	2..40, 2..40, 125..223, 126..230, 314..337, 315..365, 510..569, 511..570, 532..588, 558..587		
Seq. No.	18734	Seq. ID	OJ990416_12.9923.C48
Gene No.	39321	Strand	+
Start	1	End	595
Name	OJ990416_12.9923.C48.o1.gs	Method	GENSCAN
Start	127	End	229
GI	none	Score	.96
Exons	127..229		
Seq. No.	18735	Seq. ID	OJ990416_12.9923.C49
Gene No.	39322	Strand	+
Start	56	End	560
Name	OJ990416_12.9923.C49.o1.tm	Method	TBLASTX:Maize
Start	1	End	558
GI	none	Score	56
Exons	1..60, 2..94, 3..68, 113..322, 141..209, 143..322, 220..306, 256..555, 298..438, 326..556, 332..556, 426..554, 454..555, 455..556, 467..556, 484..558, 484..558		
Seq. No.	18735	Seq. ID	OJ990416_12.9923.C49
Gene No.	39322	Strand	+
Start	56	End	560
Name	OJ990416_12.9923.C49.o1.gp	Method	AAT/GAP
Start	56	End	560
GI	3763684	Score	963
Exons	56..560		
Seq. No.	18736	Seq. ID	OJ990416_12.9923.C50
Gene No.	39323	Strand	-
Start	221	End	379
Name	OJ990416_12.9923.C50.o1.gs	Method	GENSCAN
Start	221	End	379
GI	none	Score	.76
Exons	221..379		
Seq. No.	18737	Seq. ID	OJ990416_12.9923.C51
Gene No.	39324	Strand	-
Start	96	End	443
Name	OJ990416_12.9923.C51.o1.gs	Method	GENSCAN
Start	96	End	443
GI	none	Score	.86
Exons	96..443		
Seq. No.	18738	Seq. ID	OJ990416_12.9923.C53
Gene No.	39325	Strand	-

Start	165	End	284
Name	OJ990416_12.9923.C53.o1.gs	Method	GENSCAN
Start	165	End	284
GI	none	Score	.67
Exons	165..284		

Seq. No.	18739	Seq. ID	OJ990416_12.9923.C54
Gene No.	39326	Strand	+
Start	62	End	718
Name	OJ990416_12.9923.C54.o1.np	Method	AAT/NAP
Start	62	End	718
GI	1170949	Score	97
Exons	62..149, 331..523, 643..718		
GI Descrip.	SERINE/THREONINE-PROTEIN KINASE MHK gi|481207|pir||S38327 protein kinase - Arabidopsis thaliana gi|166811 (L07249) protein kinase [Arabidopsis thaliana]		

Seq. No.	18739	Seq. ID	OJ990416_12.9923.C54
Gene No.	39326	Strand	+
Start	62	End	718
Name	OJ990416_12.9923.C54.o1.tm	Method	TBLASTX:Maize
Start	70	End	601
GI	none	Score	112
Exons	70..138, 71..133, 205..228, 211..249, 376..471, 377..472, 377..472, 378..473, 545..601		

Seq. No.	18739	Seq. ID	OJ990416_12.9923.C54
Gene No.	39326	Strand	+
Start	62	End	718
Name	OJ990416_12.9923.C54.o1.gs	Method	GENSCAN
Start	369	End	592
GI	none	Score	.84
Exons	369..473, 558..592		

Seq. No.	18740	Seq. ID	OJ990416_12.9923.C56
Gene No.	39327	Strand	-
Start	131	End	139
Name	OJ990416_12.9923.C56.o1.gs	Method	GENSCAN
Start	131	End	139
GI	none	Score	.75
Exons	131..139		

Seq. No.	18741	Seq. ID	OJ990416_12.9923.C57
Gene No.	39328	Strand	-
Start	41	End	442
Name	OJ990416_12.9923.C57.o1.gs	Method	GENSCAN
Start	41	End	442
GI	none	Score	.97
Exons	41..442		

Seq. No.	18742	Seq. ID	OJ990416_12.9923.C59
Gene No.	39329	Strand	-
Start	368	End	653
Name	OJ990416_12.9923.C59.o1.gp	Method	AAT/GAP
Start	368	End	653
GI	77434_1.R1084	Score	95
Exons	368..421, 632..653		

GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		
Seq. No.	18743	Seq. ID	OJ990416_12.9923.C62
Gene No.	39330	Strand	+
Start	130	End	273
Name	OJ990416_12.9923.C62.o1.gs	Method	GENSCAN
Start	130	End	273
GI	none	Score	.77
Exons	130..273		
Seq. No.	18744	Seq. ID	OJ990716_10.9922.C2
Gene No.	39331	Strand	+
Start	2321	End	4211
Name	OJ990716_10.9922.C2.o1.gp	Method	AAT/GAP
Start	2321	End	4211
GI	none	Score	1342
Exons	2321..2351, 2440..2483, 2561..2615, 3427..3730, 3903..4211		
Seq. No.	18744	Seq. ID	OJ990716_10.9922.C2
Gene No.	39331	Strand	+
Start	2321	End	4211
Name	OJ990716_10.9922.C2.o1.gs	Method	GENSCAN
Start	2561	End	4004
GI	none	Score	.66
Exons	2561..2616, 3429..3587, 3903..4004		
Seq. No.	18744	Seq. ID	OJ990716_10.9922.C2
Gene No.	39332	Strand	-
Start	4338	End	4621
Name	OJ990716_10.9922.C2.o2.gp	Method	AAT/GAP
Start	4338	End	4621
GI	uC-osroM202017a05a1	Score	568
Exons	4338..4621		
GI Descrip.	'6041846/gb|AAF02155.1|AC009853_15 1.0e-09 (AC009853) unknown protein [Arabidopsis thaliana]'		
Seq. No.	18744	Seq. ID	OJ990716_10.9922.C2
Gene No.	39333	Strand	-
Start	4723	End	4842
Name	OJ990716_10.9922.C2.o2.gs	Method	GENSCAN
Start	4723	End	4842
GI	none	Score	.74
Exons	4723..4842		
Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39334	Strand	+
Start	1846	End	4448
Name	OJ990716_10.9922.C3.o1.gs	Method	GENSCAN
Start	1846	End	4253
GI	none	Score	.59
Exons	1846..1916, 2443..2645, 2773..3043, 4009..4091, 4123..4253		
Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39334	Strand	+
Start	1846	End	4448
Name	OJ990716_10.9922.C3.o1.gp	Method	AAT/GAP

Start	2422	End	2966
GI	none	Score	876
Exons	2422..2767, 2841..2966		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39334	Strand	+
Start	1846	End	4448
Name	OJ990716_10.9922.C3.o2.gp	Method	AAT/GAP
Start	2974	End	4448
GI	none	Score	832
Exons	2974..3043, 3236..3301, 4123..4448		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39335	Strand	+
Start	5128	End	5761
Name	OJ990716_10.9922.C3.o1.np	Method	AAT/NAP
Start	5128	End	5761
GI	4234854	Score	718
Exons	5128..5761		
GI Descrip.	(AF082134) pol polyprotein [Zea mays]		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39336	Strand	+
Start	19313	End	19448
Name	OJ990716_10.9922.C3.o7.gp	Method	AAT/GAP
Start	19313	End	19448
GI	4715818	Score	243
Exons	19313..19448		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39337	Strand	+
Start	24389	End	24755
Name	OJ990716_10.9922.C3.o8.gp	Method	AAT/GAP
Start	24389	End	24755
GI	3760085	Score	672
Exons	24389..24755		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39338	Strand	+
Start	30963	End	42662
Name	OJ990716_10.9922.C3.o4.np	Method	AAT/NAP
Start	29632	End	29724
GI	5852084	Score	84
Exons	29632..29724		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39338	Strand	+
Start	30963	End	42662
Name	OJ990716_10.9922.C3.o5.gs	Method	GENSCAN
Start	30963	End	34135
GI	none	Score	.42
Exons	30963..31127, 31414..31590, 32254..32281, 32981..33195, 33932..34135		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39338	Strand	+
Start	30963	End	42662
Name	OJ990716_10.9922.C3.o9.gp	Method	AAT/GAP
Start	31331	End	38373
GI	30241_1.R1084	Score	1328
Exons	31331..31558, 32214..32281, 33932..34120, 38133..38373		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39338	Strand	+
Start	30963	End	42662
Name	OJ990716_10.9922.C3.o7.gs	Method	GENSCAN
Start	37295	End	42662
GI	none	Score	.99
Exons	37295..37385, 38133..39092, 39831..40304, 42505..42662		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39338	Strand	+
Start	30963	End	42662
Name	OJ990716_10.9922.C3.o10.gp	Method	AAT/GAP
Start	38535	End	40876
GI	20435_1.R1084	Score	2805
Exons	38535..39092, 39831..40304, 40391..40876		
GI Descrip.	'4512237/dbj|BAA75235.1| 2.0e-89 (AB014746) polyprotein [Hordeum vulgare]'		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39339	Strand	+
Start	45236	End	46453
Name	OJ990716_10.9922.C3.o8.gs	Method	GENSCAN
Start	45236	End	46453
GI	none	Score	.48
Exons	45236..45415, 45618..45690, 46164..46453		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39340	Strand	-
Start	6027	End	8709
Name	OJ990716_10.9922.C3.o2.np	Method	AAT/NAP
Start	6027	End	8709
GI	6862938	Score	86
Exons	6027..6116, 6482..6662, 6752..6987, 8677..8709		
GI Descrip.	(AC019018) putative non-phototropic hypocotyl [Arabidopsis thaliana]		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39340	Strand	-
Start	6027	End	8709
Name	OJ990716_10.9922.C3.o3.gp	Method	AAT/GAP
Start	6406	End	6459
GI	none	Score	63
Exons	6406..6459		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39341	Strand	-
Start	8866	End	9662

Name	OJ990716_10.9922.C3.o5.gp	Method	AAT/GAP
Start	8866	End	9662
GI	uC-osflcyp091g05a1	Score	808
Exons	8866..9134, 9518..9662		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39342	Strand	-
Start	10238	End	10364
Name	OJ990716_10.9922.C3.o6.gp	Method	AAT/GAP
Start	10238	End	10364
GI	uC-osflcyp091g05b1	Score	222
Exons	10238..10364		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 7.0e-13 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39343	Strand	-
Start	15916	End	22512
Name	OJ990716_10.9922.C3.o3.np	Method	AAT/NAP
Start	15916	End	18454
GI	82640	Score	643
Exons	15916..16467, 16635..16716, 18427..18454		
GI Descrip.	maturase-related protein (nad1 intron) - wheat mitochondrion gi|1334611|emb|CAA41033| (X57965) initiation unknown [Triticum aestivum]		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39343	Strand	-
Start	15916	End	22512
Name	OJ990716_10.9922.C3.o3.gs	Method	GENSCAN
Start	17490	End	22512
GI	none	Score	.62
Exons	17490..17674, 17742..17814, 18507..18591, 20416..20848, 22452..22512		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39344	Strand	-
Start	25442	End	46504
Name	OJ990716_10.9922.C3.o1.ts	Method	TBLASTX:Soybean
Start	5142	End	5707
GI	none	Score	68
Exons	5142..5216, 5219..5323, 5336..5515, 5525..5707		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39344	Strand	-
Start	25442	End	46504
Name	OJ990716_10.9922.C3.o2.tm	Method	TBLASTX:Maize
Start	5142	End	5722
GI	none	Score	44
Exons	5142..5198, 5219..5323, 5306..5482, 5525..5722		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39344	Strand	-
Start	25442	End	46504
Name	OJ990716_10.9922.C3.o1.tw	Method	TBLASTX:Wheat

Start	5311	End	5710
GI	none	Score	262
Exons	5311..5544, 5315..5710, 5348..5554		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39344	Strand	-
Start	25442	End	46504
Name	OJ990716_10.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	8665	End	9603
GI	none	Score	73
Exons	8665..8769, 8850..8873, 8854..8874, 8947..9069, 8950..8994, 8994..9068, 9125..9223, 9126..9224, 9174..9224, 9301..9393, 9338..9394, 9434..9577, 9439..9603, 9440..9577		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39344	Strand	-
Start	25442	End	46504
Name	OJ990716_10.9922.C3.o5.np	Method	AAT/NAP
Start	25442	End	46504
GI	479178	Score	26
Exons	25442..25470, 32831..32921, 41176..41336, 46275..46504		
GI Descrip.	pol polyprotein - Volvox carteri f. nagariensis retrotransposon Osser gi|288597|emb|CAA49283| (X69552) gag,protease,endonuclease, reverse transcriptase,RNaseH [Volvox carteri]		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39344	Strand	-
Start	25442	End	46504
Name	OJ990716_10.9922.C3.o6.gs	Method	GENSCAN
Start	35197	End	36429
GI	none	Score	.68
Exons	35197..35322, 35350..35754, 35774..35854, 36233..36325, 36409..36429		

Seq. No.	18745	Seq. ID	OJ990716_10.9922.C3
Gene No.	39344	Strand	-
Start	25442	End	46504
Name	OJ990716_10.9922.C3.o11.gp	Method	AAT/GAP
Start	45848	End	45951
GI	69953_1.R1084	Score	123
Exons	45848..45951		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39345	Strand	+
Start	1	End	1325
Name	OJ990716_10.9922.C4.o1.np	Method	AAT/NAP
Start	1	End	1322
GI	4097940	Score	903
Exons	1..32, 138..843, 1228..1322		
GI Descrip.	(U72251) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39345	Strand	+
Start	1	End	1325

Name	OJ990716_10.9922.C4.o1.gp	Method	AAT/GAP
Start	139	End	843
GI	124_1.R1084	Score	1009
Exons	139..843		
GI Descrip.	'4884526/dbj|BAA77783.1| 1.0e-169 (AB027428) beta 1,3-glucanase [Oryza sativa]'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39345	Strand	+
Start	1	End	1325
Name	OJ990716_10.9922.C4.o1.gs	Method	GENSCAN
Start	165	End	857
GI	none	Score	1
Exons	165..857		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39345	Strand	+
Start	1	End	1325
Name	OJ990716_10.9922.C4.o2.gs	Method	GENSCAN
Start	1170	End	1325
GI	none	Score	.99
Exons	1170..1325		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39346	Strand	+
Start	19974	End	21636
Name	OJ990716_10.9922.C4.o8.gs	Method	GENSCAN
Start	19974	End	21636
GI	none	Score	.62
Exons	19974..20517, 21566..21636		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39347	Strand	+
Start	29342	End	29695
Name	OJ990716_10.9922.C4.o7.gp	Method	AAT/GAP
Start	29342	End	29695
GI	none	Score	696
Exons	29342..29695		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39348	Strand	+
Start	31461	End	31871
Name	OJ990716_10.9922.C4.o8.gp	Method	AAT/GAP
Start	31461	End	31871
GI	LIB3431-022-P1-N1-F9	Score	806
Exons	31461..31871		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-174 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39349	Strand	+
Start	34761	End	37569
Name	OJ990716_10.9922.C4.o21.np	Method	AAT/NAP
Start	34761	End	36069
GI	5777617	Score	73
Exons	34761..34798, 35971..36069		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39349	Strand	+
Start	34761	End	37569
Name	OJ990716_10.9922.C4.o22.np	Method	AAT/NAP
Start	35010	End	37553
GI	6714289	Score	115
Exons	35010..35059, 37010..37079, 37179..37250, 37494..37553		
GI Descrip.	(AC013354) F15H18.13 [Arabidopsis thaliana]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39349	Strand	+
Start	34761	End	37569
Name	OJ990716_10.9922.C4.o10.gp	Method	AAT/GAP
Start	37154	End	37569
GI	2428226	Score	260
Exons	37154..37250, 37494..37569		
GI Descrip.	2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39350	Strand	-
Start	1713	End	5829
Name	OJ990716_10.9922.C4.o3.gs	Method	GENSCAN
Start	1713	End	5829
GI	none	Score	.56
Exons	1713..1831, 1936..2230, 2357..2634, 2905..3118, 3159..3283, 3367..3830, 4555..4635, 5261..5490, 5716..5829		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39350	Strand	-
Start	1713	End	5829
Name	OJ990716_10.9922.C4.o2.np	Method	AAT/NAP
Start	1934	End	3657
GI	6721561	Score	985
Exons	1934..2696, 2778..2836, 2905..3087, 3591..3657		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39351	Strand	-
Start	7818	End	10058
Name	OJ990716_10.9922.C4.o2.gp	Method	AAT/GAP
Start	7818	End	8928
GI	807_1.R1084	Score	1875
Exons	7818..8928		
GI Descrip.	'2623783 0.0e+00 (AF030166) glucanase [Oryza sativa]'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39351	Strand	-
Start	7818	End	10058
Name	OJ990716_10.9922.C4.o4.gs	Method	GENSCAN
Start	8000	End	10002
GI	none	Score	.99

Exons	8000..8928, 9927..10002		
Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39351	Strand	-
Start	7818	End	10058
Name	OJ990716_10.9922.C4.o3.np	Method	AAT/NAP
Start	8003	End	10002
GI	4097938	Score	1552
Exons	8003..8928, 9927..10002		
GI Descrip.	(U72250) beta-1,3-glucanase precursor [Oryza sativa]		
Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39351	Strand	-
Start	7818	End	10058
Name	OJ990716_10.9922.C4.o3.gp	Method	AAT/GAP
Start	8308	End	8681
GI	LIB3433-014-Q6-K1-G9	Score	608
Exons	8308..8681		
GI Descrip.	'4097938 2.0e-49 (U72250) beta-1,3-glucanase precursor [Oryza sativa]'		
Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39351	Strand	-
Start	7818	End	10058
Name	OJ990716_10.9922.C4.o5.gp	Method	AAT/GAP
Start	8760	End	10058
GI	807_1.R1084	Score	509
Exons	8760..8928, 9927..10058		
GI Descrip.	'2623783 0.0e+00 (AF030166) glucanase [Oryza sativa]'		
Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39351	Strand	-
Start	7818	End	10058
Name	OJ990716_10.9922.C4.o4.gp	Method	AAT/GAP
Start	8929	End	9136
GI	2796754	Score	408
Exons	8929..9136		
GI Descrip.	4097937/gb|U72250|OSU72250 4.0e-95 Oryza sativa beta-1,3-glucanase precursor (Gns4) gene, complete cds		
Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39352	Strand	-
Start	11419	End	12762
Name	OJ990716_10.9922.C4.o5.gs	Method	GENSCAN
Start	11419	End	12762
GI	none	Score	.68
Exons	11419..12353, 12684..12762		
Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39352	Strand	-
Start	11419	End	12762
Name	OJ990716_10.9922.C4.o4.np	Method	AAT/NAP
Start	11422	End	12762
GI	4097936	Score	1632
Exons	11422..12353, 12684..12762		
GI Descrip.	(U72249) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39353	Strand	-
Start	14303	End	15941
Name	OJ990716_10.9922.C4.o6.gs	Method	GENSCAN
Start	14303	End	15334
GI	none	Score	.97
Exons	14303..15334		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39353	Strand	-
Start	14303	End	15941
Name	OJ990716_10.9922.C4.o5.np	Method	AAT/NAP
Start	14392	End	15941
GI	4097934	Score	1632
Exons	14392..15335, 15841..15941		
GI Descrip.	(U72248) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39353	Strand	-
Start	14303	End	15941
Name	OJ990716_10.9922.C4.o6.gp	Method	AAT/GAP
Start	14928	End	15366
GI	LIB3432-005-P1-K1-D1	Score	823
Exons	14928..15366		
GI Descrip.	'4097934 3.0e-61 (U72248) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39354	Strand	-
Start	16370	End	19933
Name	OJ990716_10.9922.C4.o7.gs	Method	GENSCAN
Start	16370	End	18274
GI	none	Score	.8
Exons	16370..16506, 16945..17122, 17267..17401, 17906..18093, 18193..18274		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39354	Strand	-
Start	16370	End	19933
Name	OJ990716_10.9922.C4.o6.np	Method	AAT/NAP
Start	16841	End	19933
GI	6143863	Score	723
Exons	16841..17117, 17262..17401, 17510..17656, 17924..18093, 18193..18280, 19081..19282, 19784..19933		
GI Descrip.	(AC010927) putative RecA protein [Arabidopsis thaliana]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39355	Strand	-
Start	23566	End	28967
Name	OJ990716_10.9922.C4.o9.gs	Method	GENSCAN
Start	23566	End	28955
GI	none	Score	.85
Exons	23566..23922, 24013..24142, 24235..24524, 24617..24798, 24879..25098, 25208..25226, 25313..25573, 25693..25823, 26554..26847, 26877..27054, 27177..27466, 27574..27755, 27876..28095, 28213..28231, 28486..28746, 28867..28955		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39355	Strand	-
Start	23566	End	28967
Name	OJ990716_10.9922.C4.o10.np	Method	AAT/NAP
Start	23575	End	25788
GI	2444271	Score	1503
Exons	23575..23922, 24013..24142, 24235..24524, 24617..24798, 24879..25113, 25309..25573, 25693..25788		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39355	Strand	-
Start	23566	End	28967
Name	OJ990716_10.9922.C4.o13.np	Method	AAT/NAP
Start	26499	End	28967
GI	2444271	Score	1499
Exons	26499..26847, 26946..27075, 27177..27466, 27574..27755, 27876..28110, 28482..28746, 28867..28967		
GI Descrip.	(AF019637) putative amino acid or GABA permease [Arabidopsis thaliana]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o2.tc	Method	TBLASTX:Cress
Start	138	End	15325
GI	none	Score	70
Exons	138..251, 251..292, 255..365, 372..545, 419..541, 567..824, 572..820, 1245..1322, 8003..8338, 8075..8113, 8121..8309, 8342..8482, 8477..8557, 8564..8746, 8756..8917, 11416..11508, 11497..11538, 11542..11760, 11543..11662, 11764..11901, 11765..11890, 11899..11979, 11986..12342, 12062..12340, 14423..14611, 14735..14800, 14804..14884, 14894..14986, 15047..15127, 15164..15325		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o2.tw	Method	TBLASTX:Wheat
Start	138	End	15298
GI	none	Score	147
Exons	138..293, 140..292, 294..395, 294..392, 299..394, 8537..8632, 8537..8635, 8636..8680, 8637..8660, 8747..8890, 8747..8890, 11959..12054, 11960..12055, 12062..12088, 12062..12118, 12109..12309, 12113..12310, 12208..12315, 12234..12314, 14952..15038, 14972..15037, 15035..15082, 15152..15298		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o4.tm	Method	TBLASTX:Maize
Start	249	End	15355
GI	none	Score	139
Exons	249..425, 282..392, 8504..8755, 8514..8660, 8750..8932, 8750..8926, 11926..12210, 11927..12157, 12175..12351, 12218..12352, 12228..12359, 12270..12356, 14969..15034,		

14975..15034, 15041..15163, 15042..15164, 15095..15355,
15252..15329

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o1.ts	Method	TBLASTX:Soybean
Start	258	End	15331
GI	none	Score	58

Exons 258..308, 312..365, 372..545, 419..544, 624..815, 626..736,
1229..1303, 1230..1322, 8003..8122, 8016..8123, 8123..8332,
8190..8309, 8360..8482, 8403..8456, 8487..8564, 8489..8563,
8625..8660, 8627..8935, 11407..11544, 11408..11545,
11545..11754, 11546..11662, 11782..11910, 11783..11899,
11905..11979, 12058..12150, 12059..12151, 12157..12354,
12233..12355, 14423..14512, 14513..14611, 14787..14879,
14792..14884, 14888..15043, 15047..15136, 15051..15137,
15164..15331, 15255..15329

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o1.tm	Method	TBLASTX:Maize
Start	624	End	14749
GI	none	Score	167

Exons 624..842, 624..707, 635..832, 754..843, 1230..1322, 8000..8194,
8003..8395, 8004..8393, 8304..8396, 8308..8394, 11413..11817,
11422..11523, 11432..11563, 11600..11809, 14393..14611,
14411..14587, 14436..14609, 14663..14722, 14672..14749

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o1.tw	Method	TBLASTX:Wheat
Start	660	End	14612
GI	none	Score	142

Exons 660..842, 665..841, 755..844, 757..843, 780..866, 1229..1333,
1230..1334, 7993..8139, 7994..8188, 7994..8284, 8022..8279,
11425..11706, 11426..11662, 14398..14550, 14423..14611,
14424..14612

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o8.tm	Method	TBLASTX:Maize
Start	16967	End	17326
GI	none	Score	76

Exons 16967..17062, 16967..17062, 16968..17063, 16992..17078,
17057..17125, 17061..17123, 17273..17326

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o7.tm	Method	TBLASTX:Maize
Start	17327	End	18110
GI	none	Score	175

Exons 17327..17383, 17507..17656, 17507..17656, 17922..18110,

17952..18038, 17960..18109

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o4.ts	Method	TBLASTX:Soybean
Start	17960	End	18269
GI	none	Score	52
Exons	17960..18094, 17961..18095, 18176..18268, 18192..18269		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o3.tm	Method	TBLASTX:Maize
Start	23578	End	48308
GI	none	Score	80
Exons	23578..23691, 23579..23695, 23693..23950, 23698..23922, 24004..24144, 24016..24144, 24234..24323, 24235..24324, 26508..26561, 26561..26620, 26566..26616, 26614..26847, 26623..26847, 26946..27077, 26949..27077, 26953..27081, 27176..27265, 27177..27269, 29618..29953, 29619..29954, 29808..29954, 29914..29955, 30044..30184, 30044..30172, 30045..30176, 30048..30188, 30076..30183, 30272..30361, 30283..30360, 38523..38669, 38547..38696, 38548..38895, 38751..38894, 38925..39191, 38980..39192, 39079..39201, 45211..45366, 45219..45560, 45417..45479, 45424..45561, 45458..45589, 45556..45876, 45641..45877, 45764..45886, 48249..48308		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o1.tc	Method	TBLASTX:Cress
Start	23581	End	47716
GI	none	Score	68
Exons	23581..23688, 23591..23689, 23698..23922, 23702..23923, 24013..24144, 24014..24145, 24234..24521, 24235..24522, 24617..24799, 24618..24800, 24877..25131, 24886..25131, 25307..25435, 25309..25566, 25313..25567, 25484..25573, 25692..25757, 25693..25728, 26508..26552, 26566..26613, 26623..26649, 26627..26848, 26701..26847, 26946..27077, 26947..27081, 27176..27484, 27177..27464, 27562..27762, 27566..27757, 27874..28092, 27883..28113, 28213..28242, 28481..28591, 28482..28739, 28485..28736, 28486..28743, 28854..28928, 28868..28903, 29616..29954, 29618..29953, 29916..29954, 30041..30172, 30042..30173, 30044..30184, 30048..30173, 30097..30183, 30272..30367, 30283..30573, 30428..30562, 30653..30841, 30660..30842, 30928..31149, 30937..31014, 31066..31152, 33144..33344, 33184..33456, 33195..33458, 33557..33619, 33558..33605, 38544..38696, 38545..38895, 38751..38894, 38901..39389, 38938..39393, 39472..39660, 39485..39673, 39486..39665, 39494..39676, 39495..39677, 39775..39924, 39789..40019, 39804..40019, 40566..40721, 40568..40846, 40785..40823, 40934..40981, 40935..40961, 45222..45365, 45226..45561, 45417..45584, 45641..46078, 45658..46074, 46174..46356, 46175..46357, 46446..46685, 46461..46688, 47274..47429, 47274..47399,		

47276..47542, 47493..47531, 47654..47716

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o2.ts	Method	TBLASTX:Soybean
Start	24369	End	46225
GI	none	Score	63
Exons	24369..24521, 24617..24673, 27311..27484, 27312..27485, 27562..27630, 27581..27625, 30406..30567, 30434..30568, 30653..30715, 39078..39245, 39079..39246, 39237..39389, 39238..39393, 39494..39550, 39498..39545, 45763..45930, 45764..45931, 45922..46074, 45923..46078, 46174..46221, 46178..46225		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o5.tm	Method	TBLASTX:Maize
Start	24770	End	46686
GI	none	Score	192
Exons	24770..24799, 24877..25101, 24878..25102, 27727..27756, 27868..28092, 27883..28098, 30806..30835, 30928..31149, 30929..31150, 30937..31152, 39775..40017, 39795..40019, 39801..40019, 46452..46676, 46453..46674, 46458..46676, 46462..46686		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o6.tm	Method	TBLASTX:Maize
Start	25301	End	47539
GI	none	Score	126
Exons	25301..25564, 25312..25557, 28422..28439, 28484..28615, 28485..28730, 28498..28752, 33195..33344, 33195..33458, 33208..33447, 40568..40717, 40568..40831, 47276..47539, 47289..47447		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o3.ts	Method	TBLASTX:Soybean
Start	25334	End	47447
GI	none	Score	60
Exons	25334..25396, 25339..25395, 25399..25518, 25403..25561, 28507..28569, 28512..28568, 28572..28751, 28576..28734, 28866..28913, 33216..33278, 33217..33279, 33282..33401, 33286..33444, 33393..33443, 33536..33604, 40590..40652, 40592..40651, 40655..40738, 40659..40739, 47298..47360, 47300..47359, 47363..47446, 47367..47447		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o10.gs	Method	GENSCAN
Start	29597	End	42929
GI	none	Score	.51

Exons	29597..29953, 30041..30149, 30272..30561, 30653..30834, 30930..31149, 31608..31797, 32752..32916, 33196..33456, 33558..33763, 34163..34222, 34470..34644, 34728..34884, 35440..35591, 36490..36719, 37549..37776, 37877..37925, 38551..39392, 39494..39591, 39797..40016, 40444..40462, 40569..40829, 40935..41119, 41645..41798, 41853..41975, 42877..42929

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o19.np	Method	AAT/NAP
Start	29609	End	34459
GI	4262224	Score	1583
Exons	29609..29953, 30041..30170, 30272..30561, 30653..30834, 30930..31149, 33174..33456, 33558..33616, 34417..34459		
GI Descrip.	(AC006200) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o9.gp	Method	AAT/GAP
Start	31897	End	32448
GI	9531_1.R1084	Score	1056
Exons	31897..32448		
GI Descrip.	'5295954/dbj|BAA81855.1| 7.0e-37 (AB026295) hypothetical protein [Oryza sativa]'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o20.np	Method	AAT/NAP
Start	35767	End	37075
GI	5777617	Score	64
Exons	35767..35880, 36989..37075		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o11.gp	Method	AAT/GAP
Start	38433	End	38895
GI	60111_1.R1084	Score	879
Exons	38433..38895		
GI Descrip.	'2801536 3.0e-22 (AF039531) lysophospholipase homolog [Oryza sativa]'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o23.np	Method	AAT/NAP
Start	38550	End	47755
GI	4262224	Score	1587
Exons	38550..38894, 38973..39392, 39494..39675, 46454..46695, 47277..47537, 47655..47755		
GI Descrip.	(AC006200) putative amino acid permease [Arabidopsis thaliana]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o12.gp	Method	AAT/GAP
Start	39230	End	39852
GI	uC-osf1M202062f04b1	Score	742
Exons	39230..39392, 39494..39675, 39797..39852		
GI Descrip.	'4262224/gb|AAD14517| 2.0e-39 (AC006200) putative amino acid or GABA permease [Arabidopsis thaliana]'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o11.gs	Method	GENSCAN
Start	45201	End	56069
GI	none	Score	.71
Exons	45201..45560, 45658..46325, 46454..46673, 47158..47176, 47277..47537, 47655..47791, 48982..49110, 49233..49337, 49409..49548, 49638..49779, 49916..49992, 50225..50279, 50752..50797, 50898..50986, 51088..51153, 51452..51517, 51909..51998, 53089..53350, 54732..54903, 56006..56069		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o14.gp	Method	AAT/GAP
Start	48426	End	49339
GI	45840_1.R1084	Score	1152
Exons	48426..48802, 48982..49110, 49233..49339		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o2.tm	Method	TBLASTX:Maize
Start	48639	End	52131
GI	none	Score	54
Exons	48639..48689, 48641..48691, 48715..48771, 48736..48771, 48982..49071, 48982..49074, 48996..49073, 49062..49130, 49063..49137, 49063..49134, 49224..49340, 49230..49352, 49231..49341, 49388..49510, 49398..49511, 49407..49511, 49408..49512, 49408..49527, 49409..49507, 49495..49548, 49513..49545, 49632..49745, 49636..49749, 49637..49735, 49638..49748, 49639..49758, 49735..49782, 49905..49994, 49916..50002, 49916..49993, 50196..50282, 50224..50280, 50227..50283, 50750..50800, 50751..50804, 50752..50814, 50884..50997, 50897..50986, 50898..51008, 50899..50988, 51044..51154, 51076..51156, 51083..51154, 51088..51156, 51447..51521, 51453..51518, 51904..51999, 51908..52003, 51909..51998, 52092..52130, 52093..52131		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o24.np	Method	AAT/NAP
Start	48970	End	52016

GI	4006877	Score	666
Exons	48970..49110, 49215..49337, 49409..49542, 49638..49784, 49887..49991, 50898..50986, 51452..51517, 51909..52016		
GI Descrip.	(Z99707) RNA-binding like protein [Arabidopsis thaliana]		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o15.gp	Method	AAT/GAP
Start	49451	End	50801
GI	LIB3433-037-P1-K1-G2	Score	733
Exons	49451..49548, 49638..49779, 49916..49992, 50225..50279, 50752..50801		
GI Descrip.	'4006877/emb|CAB16795.1| 5.0e-26 (Z99707) RNA-binding like protein [Arabidopsis thaliana]'		

Seq. No.	18746	Seq. ID	OJ990716_10.9922.C4
Gene No.	39356	Strand	-
Start	29597	End	56069
Name	OJ990716_10.9922.C4.o16.gp	Method	AAT/GAP
Start	50949	End	53270
GI	42828_1.R1084	Score	1047
Exons	50949..50986, 51088..51153, 51452..51517, 51909..51998, 52101..52232, 53084..53270		
GI Descrip.	'4006877/emb|CAB16795.1| 6.0e-19 (Z99707) RNA-binding like protein [Arabidopsis thaliana]'		

Seq. No.	18747	Seq. ID	OJ990716_10.9922.C5
Gene No.	39357	Strand	+
Start	1	End	1249
Name	OJ990716_10.9922.C5.o1.np	Method	AAT/NAP
Start	1	End	1228
GI	4678922	Score	1010
Exons	1..1228		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	18747	Seq. ID	OJ990716_10.9922.C5
Gene No.	39357	Strand	+
Start	1	End	1249
Name	OJ990716_10.9922.C5.o1.gs	Method	GENSCAN
Start	135	End	1249
GI	none	Score	.75
Exons	135..379, 436..1249		

Seq. No.	18747	Seq. ID	OJ990716_10.9922.C5
Gene No.	39358	Strand	+
Start	2029	End	4647
Name	OJ990716_10.9922.C5.o1.tm	Method	TBLASTX:Maize
Start	187	End	800
GI	none	Score	38
Exons	187..225, 288..359, 407..547, 407..547, 547..663, 548..661, 777..800		

Seq. No.	18747	Seq. ID	OJ990716_10.9922.C5
Gene No.	39358	Strand	+
Start	2029	End	4647
Name	OJ990716_10.9922.C5.o1.gp	Method	AAT/GAP

Start	1929	End	2405
GI	LIB3432-025-P1-K1-C4	Score	898
Exons	1929..2405		
GI Descrip.	'5231209/gb|AF159061.1|AF159061 2.0e-68 Oryza sativa subsp. indica serine/threonine protein phosphatase PP2A-3 catalytic subunit (PP2A) gene, complete cds'		

Seq. No.	18747	Seq. ID	OJ990716_10.9922.C5
Gene No.	39358	Strand	+
Start	2029	End	4647
Name	OJ990716_10.9922.C5.o2.gs	Method	GENSCAN
Start	2029	End	2643
GI	none	Score	.86
Exons	2029..2643		

Seq. No.	18747	Seq. ID	OJ990716_10.9922.C5
Gene No.	39358	Strand	+
Start	2029	End	4647
Name	OJ990716_10.9922.C5.o2.np	Method	AAT/NAP
Start	2255	End	4647
GI	3935185	Score	503
Exons	2255..2324, 3533..3688, 3750..4647		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	18747	Seq. ID	OJ990716_10.9922.C5
Gene No.	39358	Strand	+
Start	2029	End	4647
Name	OJ990716_10.9922.C5.o3.gs	Method	GENSCAN
Start	3469	End	4627
GI	none	Score	.87
Exons	3469..3674, 3742..4627		

Seq. No.	18747	Seq. ID	OJ990716_10.9922.C5
Gene No.	39358	Strand	+
Start	2029	End	4647
Name	OJ990716_10.9922.C5.o1.tc	Method	TBLASTX:Cress
Start	3544	End	3973
GI	none	Score	117
Exons	3544..3687, 3573..3686, 3806..3973		

Seq. No.	18748	Seq. ID	OJ990716_10.9922.C6
Gene No.	39359	Strand	-
Start	422	End	2255
Name	OJ990716_10.9922.C6.o1.np	Method	AAT/NAP
Start	422	End	2255
GI	6907086	Score	1413
Exons	422..569, 626..800, 924..971, 1186..1436, 1494..2255		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18748	Seq. ID	OJ990716_10.9922.C6
Gene No.	39360	Strand	-
Start	2340	End	2530
Name	OJ990716_10.9922.C6.o1.gp	Method	AAT/GAP
Start	2340	End	2530
GI	5667165	Score	351
Exons	2340..2530		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp.		

japonica BAC clone 34K24, complete sequence

Seq. No.	18749	Seq. ID	OJ990716_10.9922.C8
Gene No.	39361	Strand	+
Start	107	End	413
Name	OJ990716_10.9922.C8.o1.gs	Method	GENSCAN
Start	107	End	413
GI	none	Score	.93
Exons	107..161, 229..413		

Seq. No.	18750	Seq. ID	OJ990616_11.9922.C1
Gene No.	39362	Strand	+
Start	79	End	344
Name	OJ990616_11.9922.C1.o1.gs	Method	GENSCAN
Start	79	End	344
GI	none	Score	.98
Exons	79..344		

Seq. No.	18751	Seq. ID	OJ990616_11.9922.C2
Gene No.	39363	Strand	+
Start	6011	End	6203
Name	OJ990616_11.9922.C2.o1.gp	Method	AAT/GAP
Start	5987	End	6203
GI	569598	Score	415
Exons	5987..6203		

Seq. No.	18751	Seq. ID	OJ990616_11.9922.C2
Gene No.	39363	Strand	+
Start	6011	End	6203
Name	OJ990616_11.9922.C2.o2.gs	Method	GENSCAN
Start	6011	End	6177
GI	none	Score	.92
Exons	6011..6177		

Seq. No.	18751	Seq. ID	OJ990616_11.9922.C2
Gene No.	39364	Strand	-
Start	1	End	1884
Name	OJ990616_11.9922.C2.o1.np	Method	AAT/NAP
Start	1	End	1884
GI	6069659	Score	74
Exons	1..64, 231..342, 1433..1585, 1852..1884		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	18751	Seq. ID	OJ990616_11.9922.C2
Gene No.	39364	Strand	-
Start	1	End	1884
Name	OJ990616_11.9922.C2.o2.np	Method	AAT/NAP
Start	1	End	1035
GI	6907088	Score	332
Exons	1..82, 557..723, 898..1035		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18751	Seq. ID	OJ990616_11.9922.C2
Gene No.	39364	Strand	-
Start	1	End	1884
Name	OJ990616_11.9922.C2.o1.gs	Method	GENSCAN
Start	227	End	1670

GI	none	Score	.6
Exons	227..313, 517..784, 898..999, 1456..1670		

Seq. No.	18752	Seq. ID	OJ990616_11.9922.C3
Gene No.	39365	Strand	+
Start	2	End	1836
Name	OJ990616_11.9922.C3.o1.gs	Method	GENSCAN
Start	2	End	1836
GI	none	Score	.69
Exons	2..385, 397..1836		

Seq. No.	18752	Seq. ID	OJ990616_11.9922.C3
Gene No.	39366	Strand	+
Start	4241	End	4849
Name	OJ990616_11.9922.C3.o2.gs	Method	GENSCAN
Start	4241	End	4849
GI	none	Score	.61
Exons	4241..4849		

Seq. No.	18752	Seq. ID	OJ990616_11.9922.C3
Gene No.	39367	Strand	-
Start	1	End	7137
Name	OJ990616_11.9922.C3.o1.np	Method	AAT/NAP
Start	1	End	7091
GI	5777623	Score	225
Exons	1..46, 6505..6603, 6703..6771, 6838..7091		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	18752	Seq. ID	OJ990616_11.9922.C3
Gene No.	39367	Strand	-
Start	1	End	7137
Name	OJ990616_11.9922.C3.o1.tm	Method	TBLASTX:Maize
Start	338	End	6984
GI	none	Score	88
Exons	338..436, 355..438, 472..567, 513..566, 6760..6984, 6785..6910		

Seq. No.	18752	Seq. ID	OJ990616_11.9922.C3
Gene No.	39367	Strand	-
Start	1	End	7137
Name	OJ990616_11.9922.C3.o3.gs	Method	GENSCAN
Start	5578	End	7137
GI	none	Score	.73
Exons	5578..7137		

Seq. No.	18753	Seq. ID	OJ990616_11.9922.C4
Gene No.	39368	Strand	+
Start	82	End	383
Name	OJ990616_11.9922.C4.o1.gs	Method	GENSCAN
Start	82	End	383
GI	none	Score	.53
Exons	82..217, 268..383		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39369	Strand	+
Start	1	End	546
Name	OJ990616_11.9922.C6.o1.np	Method	AAT/NAP
Start	1	End	546

GI	6907106	Score	408
Exons	1..293, 367..546		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39370	Strand	+
Start	6035	End	8271
Name	OJ990616_11.9922.C6.o2.gs	Method	GENSCAN
Start	6035	End	8271
GI	none	Score	.63
Exons	6035..6127, 6209..6431, 6633..6782, 8045..8271		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39371	Strand	+
Start	18666	End	20514
Name	OJ990616_11.9922.C6.o4.np	Method	AAT/NAP
Start	18666	End	20514
GI	5902444	Score	187
Exons	18666..18862, 20344..20514		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39371	Strand	+
Start	18666	End	20514
Name	OJ990616_11.9922.C6.o6.np	Method	AAT/NAP
Start	18666	End	20514
GI	4680183	Score	174
Exons	18666..18868, 20350..20514		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39372	Strand	-
Start	123	End	5187
Name	OJ990616_11.9922.C6.o1.gs	Method	GENSCAN
Start	123	End	5187
GI	none	Score	.45
Exons	123..305, 575..724, 1034..1346, 2080..2177, 2209..2374, 2889..2935, 3832..4193, 5163..5187		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39373	Strand	-
Start	11735	End	15614
Name	OJ990616_11.9922.C6.o3.gs	Method	GENSCAN
Start	11735	End	15552
GI	none	Score	.82
Exons	11735..12331, 12423..12554, 13050..14039, 14146..14435, 15408..15552		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39373	Strand	-
Start	11735	End	15614
Name	OJ990616_11.9922.C6.o2.gp	Method	AAT/GAP
Start	12626	End	13187
GI	84285_1.R1084	Score	1000
Exons	12626..13187		
GI Descrip.	'3402817/emb|CAA07704| 1.0e-27 (AJ007829) lacZ'' [Cloning vector		

pGreen]'

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39373	Strand	-
Start	11735	End	15614
Name	OJ990616_11.9922.C6.o3.np	Method	AAT/NAP
Start	12996	End	13979
GI	2541876	Score	564
Exons	12996..13979		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39373	Strand	-
Start	11735	End	15614
Name	OJ990616_11.9922.C6.o3.gp	Method	AAT/GAP
Start	13557	End	13847
GI	none	Score	578
Exons	13557..13847		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39373	Strand	-
Start	11735	End	15614
Name	OJ990616_11.9922.C6.o4.gp	Method	AAT/GAP
Start	14377	End	15614
GI	699913	Score	484
Exons	14377..14435, 15408..15614		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o4.tm	Method	TBLASTX:Maize
Start	93	End	449
GI	none	Score	114
Exons	93..200, 111..299, 115..309, 127..255, 173..199, 205..300, 241..327, 265..291, 310..378, 329..448, 400..447, 402..449		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o5.tm	Method	TBLASTX:Maize
Start	5672	End	6001
GI	none	Score	62
Exons	5672..5713, 5740..6000, 5783..6001		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o3.tw	Method	TBLASTX:Wheat
Start	7135	End	7490
GI	none	Score	93
Exons	7135..7260, 7200..7259, 7261..7485, 7305..7490		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o6.tm	Method	TBLASTX:Maize

Start	7486	End	8232
GI	none	Score	46
Exons	7486..7524, 7543..8037, 8011..8202, 8179..8232		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o1.tw	Method	TBLASTX:Wheat
Start	7705	End	8118
GI	none	Score	368
Exons	7705..8118, 7707..8117		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o1.tm	Method	TBLASTX:Maize
Start	8392	End	9354
GI	none	Score	789
Exons	8392..9354, 8415..8909, 8875..9021, 9082..9234		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o2.tw	Method	TBLASTX:Wheat
Start	8446	End	9420
GI	none	Score	325
Exons	8446..8754, 8461..8664, 8466..8717, 9280..9420		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o5.tw	Method	TBLASTX:Wheat
Start	8755	End	9102
GI	none	Score	96
Exons	8755..8862, 8757..8873, 8878..9030, 8982..9014, 9022..9102		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o2.ts	Method	TBLASTX:Soybean
Start	8959	End	9486
GI	none	Score	227
Exons	8959..9312, 9301..9486		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o3.tm	Method	TBLASTX:Maize
Start	9558	End	10029
GI	none	Score	299
Exons	9558..9776, 9559..9930, 9948..10025, 9997..10029		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o4.tw	Method	TBLASTX:Wheat
Start	9754	End	10124

GI	none	Score	132
Exons	9754..9945, 9903..10124, 9997..10122		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o7.tm	Method	TBLASTX:Maize
Start	10201	End	10494
GI	none	Score	199
Exons	10201..10383, 10236..10373, 10245..10388, 10393..10494		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o2.tm	Method	TBLASTX:Maize
Start	11732	End	13400
GI	none	Score	79
Exons	11732..11986, 11732..11989, 11775..11990, 11990..12139, 11991..12122, 12996..13250, 13003..13251, 13251..13400, 13252..13392		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o1.tc	Method	TBLASTX:Cress
Start	11738	End	13373
GI	none	Score	70
Exons	11738..11869, 11769..11864, 11876..12067, 11877..12092, 12999..13124, 13137..13373		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o1.ts	Method	TBLASTX:Soybean
Start	11738	End	14000
GI	none	Score	61
Exons	11738..11869, 11754..11864, 11873..12067, 11877..12092, 12122..12175, 12254..12379, 12401..12460, 12447..12533, 12999..13124, 13036..13125, 13134..13367, 13138..13353, 13512..13589, 13513..13605, 13659..13787, 13824..13913, 13926..14000		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o8.tm	Method	TBLASTX:Maize
Start	12341	End	13976
GI	none	Score	45
Exons	12341..12379, 12459..12548, 13659..13802, 13824..13925, 13834..13905, 13923..13976, 13926..13976		

Seq. No.	18754	Seq. ID	OJ990616_11.9922.C6
Gene No.	39374	Strand	-
Start	19078	End	20514
Name	OJ990616_11.9922.C6.o5.np	Method	AAT/NAP
Start	19078	End	20514
GI	6721512	Score	109

Exons	19078..19116, 19159..19281, 19308..19471, 20468..20514		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39375	Strand	+
Start	1	End	6560
Name	OJ990616_11.9922.C7.o2.np	Method	AAT/NAP
Start	1	End	6560
GI	4378066	Score	334
Exons	1..53, 2046..2748, 6504..6560		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		
Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39375	Strand	+
Start	1	End	6560
Name	OJ990616_11.9922.C7.o1.gs	Method	GENSCAN
Start	1180	End	2740
GI	none	Score	.52
Exons	1180..1254, 2123..2359, 2474..2740		
Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39376	Strand	+
Start	6959	End	7615
Name	OJ990616_11.9922.C7.o3.gs	Method	GENSCAN
Start	6959	End	7615
GI	none	Score	.59
Exons	6959..7615		
Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39377	Strand	+
Start	7926	End	11182
Name	OJ990616_11.9922.C7.o3.np	Method	AAT/NAP
Start	7926	End	11182
GI	6539588	Score	189
Exons	7926..7952, 8653..8926, 11102..11182		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39378	Strand	-
Start	1028	End	5078
Name	OJ990616_11.9922.C7.o1.np	Method	AAT/NAP
Start	1028	End	5078
GI	4680183	Score	133
Exons	1028..1198, 5016..5078		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39378	Strand	-
Start	1028	End	5078
Name	OJ990616_11.9922.C7.o1.gp	Method	AAT/GAP
Start	1746	End	1857
GI	uC-osflcyp088b12b1	Score	138
Exons	1746..1857		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39378	Strand	-
Start	1028	End	5078
Name	OJ990616_11.9922.C7.o2.gp	Method	AAT/GAP
Start	3363	End	5065
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	3363..3401, 3786..3827, 5041..5065		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39379	Strand	-
Start	5313	End	5969
Name	OJ990616_11.9922.C7.o2.tw	Method	TBLASTX:Wheat
Start	2054	End	2398
GI	none	Score	240
Exons	2054..2398, 2056..2241, 2066..2275		

Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39379	Strand	-
Start	5313	End	5969
Name	OJ990616_11.9922.C7.o1.tw	Method	TBLASTX:Wheat
Start	2447	End	2736
GI	none	Score	293
Exons	2447..2731, 2470..2736		

Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39379	Strand	-
Start	5313	End	5969
Name	OJ990616_11.9922.C7.o3.gp	Method	AAT/GAP
Start	5048	End	5486
GI	3763456	Score	692
Exons	5048..5486		

Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39379	Strand	-
Start	5313	End	5969
Name	OJ990616_11.9922.C7.o2.gs	Method	GENSCAN
Start	5313	End	5969
GI	none	Score	1
Exons	5313..5969		

Seq. No.	18755	Seq. ID	OJ990616_11.9922.C7
Gene No.	39379	Strand	-
Start	5313	End	5969
Name	OJ990616_11.9922.C7.o4.gp	Method	AAT/GAP
Start	5491	End	5897
GI	3763455	Score	750
Exons	5491..5897		

Seq. No.	18756	Seq. ID	OJ990616_11.9922.C8
Gene No.	39380	Strand	-
Start	5223	End	5751
Name	OJ990616_11.9922.C8.o2.gs	Method	GENSCAN
Start	5223	End	5751

GI	none	Score	.98
Exons	5223..5644, 5658..5751		

Seq. No.	18757	Seq. ID	OJ990616_11.9922.C9
Gene No.	39381	Strand	+
Start	81	End	731
Name	OJ990616_11.9922.C9.o1.gs	Method	GENSCAN
Start	81	End	709
GI	none	Score	.79
Exons	81..709		

Seq. No.	18757	Seq. ID	OJ990616_11.9922.C9
Gene No.	39381	Strand	+
Start	81	End	731
Name	OJ990616_11.9922.C9.o1.np	Method	AAT/NAP
Start	187	End	731
GI	5777623	Score	121
Exons	187..316, 445..566, 633..731		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	18757	Seq. ID	OJ990616_11.9922.C9
Gene No.	39381	Strand	+
Start	81	End	731
Name	OJ990616_11.9922.C9.o1.tm	Method	TBLASTX:Maize
Start	437	End	638
GI	none	Score	230
Exons	437..616, 444..638		

Seq. No.	18758	Seq. ID	OJ990616_11.9922.C10
Gene No.	39382	Strand	+
Start	361	End	538
Name	OJ990616_11.9922.C10.o1.gs	Method	GENSCAN
Start	361	End	538
GI	none	Score	.92
Exons	361..538		

Seq. No.	18759	Seq. ID	OJ990616_11.9922.C14
Gene No.	39383	Strand	+
Start	1	End	1207
Name	OJ990616_11.9922.C14.o1.np	Method	AAT/NAP
Start	1	End	1207
GI	4996367	Score	419
Exons	1..25, 622..1207		
GI Descrip.	(AB021266) polyprotein [Arabidopsis thaliana]		

Seq. No.	18759	Seq. ID	OJ990616_11.9922.C14
Gene No.	39383	Strand	+
Start	1	End	1207
Name	OJ990616_11.9922.C14.o1.ts	Method	TBLASTX:Soybean
Start	620	End	1126
GI	none	Score	319
Exons	620..1126, 721..1053		

Seq. No.	18759	Seq. ID	OJ990616_11.9922.C14
Gene No.	39383	Strand	+
Start	1	End	1207
Name	OJ990616_11.9922.C14.o1.tm	Method	TBLASTX:Maize

Start	781	End	1149
GI	none	Score	63
Exons	781..885, 785..1129, 817..1002, 848..1144, 1015..1149		

Seq. No.	18759	Seq. ID	OJ990616_11.9922.C14
Gene No.	39383	Strand	+
Start	1	End	1207
Name	OJ990616_11.9922.C14.o1.tw	Method	TBLASTX:Wheat
Start	988	End	1195
GI	none	Score	197
Exons	988..1161, 992..1195		

Seq. No.	18760	Seq. ID	OJ990616_11.9922.C15
Gene No.	39384	Strand	+
Start	268	End	637
Name	OJ990616_11.9922.C15.o1.gs	Method	GENSCAN
Start	268	End	637
GI	none	Score	.4
Exons	268..322, 390..421, 530..637		

Seq. No.	18761	Seq. ID	OJ990616_11.9922.C16
Gene No.	39385	Strand	-
Start	839	End	1633
Name	OJ990616_11.9922.C16.o1.gs	Method	GENSCAN
Start	839	End	1504
GI	none	Score	1
Exons	839..1504		

Seq. No.	18761	Seq. ID	OJ990616_11.9922.C16
Gene No.	39385	Strand	-
Start	839	End	1633
Name	OJ990616_11.9922.C16.o2.gp	Method	AAT/GAP
Start	1150	End	1633
GI	uC-osf1cyp033a10b1	Score	940
Exons	1150..1633		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	18762	Seq. ID	OJ990616_11.9922.C18
Gene No.	39386	Strand	-
Start	384	End	505
Name	OJ990616_11.9922.C18.o1.gs	Method	GENSCAN
Start	384	End	505
GI	none	Score	.46
Exons	384..505		

Seq. No.	18763	Seq. ID	OJ990616_11.9922.C19
Gene No.	39387	Strand	-
Start	18	End	355
Name	OJ990616_11.9922.C19.o1.gs	Method	GENSCAN
Start	18	End	355
GI	none	Score	.51
Exons	18..122, 173..355		

Seq. No.	18764	Seq. ID	OJ990616_11.9922.C22
Gene No.	39388	Strand	-
Start	88	End	1464

Name	OJ990616_11.9922.C22.o1.np	Method	AAT/NAP
Start	88	End	1464
GI	6907086	Score	359
Exons	88..1464		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39389	Strand	+
Start	435	End	3867
Name	OJ990616_11.9922.C23.o1.gs	Method	GENSCAN
Start	435	End	3867
GI	none	Score	.72
Exons	435..534, 646..680, 685..839, 2165..2697, 3046..3271, 3733..3867		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39389	Strand	+
Start	435	End	3867
Name	OJ990616_11.9922.C23.o2.np	Method	AAT/NAP
Start	472	End	2963
GI	114559	Score	1039
Exons	472..534, 2213..2963		
GI Descrip.	ATP SYNTHASE BETA CHAIN gi|67836|pir||PWRZB H+-transporting ATP synthase (EC 3.6.1.34) beta chain - rice chloroplast gi|11991|emb|CAA34003| (X15901) atpB; ATPase beta subunit [Oryza sativa] gi|344014|dbj|BAA00334| (D00432) ATP synthetase beta subunit [Oryza sativa] gi|226612|prf||1603356AJ ATPase beta [Oryza sativa]		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39389	Strand	+
Start	435	End	3867
Name	OJ990616_11.9922.C23.o3.np	Method	AAT/NAP
Start	2963	End	3373
GI	114601	Score	696
Exons	2963..3373		
GI Descrip.	ATP SYNTHASE EPSILON CHAIN gi|67868|pir||PWRZE H+-transporting ATP synthase (EC 3.6.1.34) epsilon chain - rice chloroplast gi|11990|emb|CAA34002| (X15901) atpE; ATPase epsilon subunit [Oryza sativa] gi|343204 (M31464) atpE gene product [Oryza sativa] gi|226611|prf||1603356AH ATPase epsilon [Oryza sativa]		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39390	Strand	-
Start	1170	End	3456
Name	OJ990616_11.9922.C23.o1.np	Method	AAT/NAP
Start	1170	End	3421
GI	4680186	Score	208
Exons	1170..1301, 1876..2037, 3355..3421		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39390	Strand	-
Start	1170	End	3456
Name	OJ990616_11.9922.C23.o1.tc	Method	TBLASTX:Cress
Start	2218	End	3456
GI	none	Score	827
Exons	2218..2778, 2243..2776, 2808..3119, 2815..2913, 2819..3151,		

2819..3130, 3118..3201, 3122..3361, 3128..3289, 3132..3296, 3286..3456

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39390	Strand	-
Start	1170	End	3456
Name	OJ990616_11.9922.C23.o1.ts	Method	TBLASTX:Soybean
Start	2218	End	3361
GI	none	Score	830
Exons	2218..2778, 2243..2776, 2245..2778, 2808..2930, 2819..3361, 2819..3271, 3286..3360		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39390	Strand	-
Start	1170	End	3456
Name	OJ990616_11.9922.C23.o1.tm	Method	TBLASTX:Maize
Start	2228	End	2930
GI	none	Score	693
Exons	2228..2527, 2243..2776, 2248..2763, 2820..2930		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39390	Strand	-
Start	1170	End	3456
Name	OJ990616_11.9922.C23.o2.tw	Method	TBLASTX:Wheat
Start	2228	End	2437
GI	none	Score	233
Exons	2228..2431, 2243..2437, 2248..2436		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39390	Strand	-
Start	1170	End	3456
Name	OJ990616_11.9922.C23.o1.tw	Method	TBLASTX:Wheat
Start	2525	End	2776
GI	none	Score	277
Exons	2525..2776, 2548..2751		

Seq. No.	18765	Seq. ID	OJ990616_11.9922.C23
Gene No.	39390	Strand	-
Start	1170	End	3456
Name	OJ990616_11.9922.C23.o2.tm	Method	TBLASTX:Maize
Start	3039	End	3423
GI	none	Score	72
Exons	3039..3086, 3039..3086, 3040..3108, 3076..3201, 3093..3422, 3093..3383, 3286..3423		

Seq. No.	18766	Seq. ID	OJ990616_11.9922.C27
Gene No.	39391	Strand	-
Start	25	End	576
Name	OJ990616_11.9922.C27.o1.gs	Method	GENSCAN
Start	25	End	576
GI	none	Score	.77
Exons	25..576		

Seq. No.	18767	Seq. ID	OJ990616_11.9922.C28
Gene No.	39392	Strand	+
Start	1	End	783
Name	OJ990616_11.9922.C28.o1.np	Method	AAT/NAP

Start	1	End	783
GI	6069659	Score	130
Exons	1..165, 739..783		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	18767	Seq. ID	OJ990616_11.9922.C28
Gene No.	39392	Strand	+
Start	1	End	783
Name	OJ990616_11.9922.C28.o1.gs	Method	GENSCAN
Start	83	End	169
GI	none	Score	.44
Exons	83..169		

Seq. No.	18767	Seq. ID	OJ990616_11.9922.C28
Gene No.	39393	Strand	-
Start	367	End	513
Name	OJ990616_11.9922.C28.o2.gs	Method	GENSCAN
Start	367	End	513
GI	none	Score	.57
Exons	367..513		

Seq. No.	18768	Seq. ID	OJ990616_11.9922.C29
Gene No.	39394	Strand	-
Start	552	End	700
Name	OJ990616_11.9922.C29.o1.gs	Method	GENSCAN
Start	552	End	700
GI	none	Score	.93
Exons	552..700		

Seq. No.	18769	Seq. ID	OJ990616_11.9922.C30
Gene No.	39395	Strand	+
Start	756	End	827
Name	OJ990616_11.9922.C30.o1.gs	Method	GENSCAN
Start	756	End	827
GI	none	Score	.58
Exons	756..827		

Seq. No.	18770	Seq. ID	OJ990616_11.9922.C32
Gene No.	39396	Strand	+
Start	1	End	215
Name	OJ990616_11.9922.C32.o1.gp	Method	AAT/GAP
Start	1	End	215
GI	3761181	Score	315
Exons	1..215		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	18770	Seq. ID	OJ990616_11.9922.C32
Gene No.	39397	Strand	-
Start	185	End	482
Name	OJ990616_11.9922.C32.o1.gs	Method	GENSCAN
Start	185	End	482
GI	none	Score	.96
Exons	185..327, 400..482		

Seq. No.	18771	Seq. ID	OJ990616_11.9922.C33
Gene No.	39398	Strand	+

Start	578	End	691
Name	OJ990616_11.9922.C33.o1.gs	Method	GENSCAN
Start	578	End	691
GI	none	Score	.56
Exons	578..691		

Seq. No.	18771	Seq. ID	OJ990616_11.9922.C33
Gene No.	39399	Strand	-
Start	654	End	785
Name	OJ990616_11.9922.C33.o1.np	Method	AAT/NAP
Start	654	End	785
GI	5091512	Score	210
Exons	654..785		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	18772	Seq. ID	OJ990616_11.9922.C34
Gene No.	39400	Strand	-
Start	400	End	454
Name	OJ990616_11.9922.C34.o1.gs	Method	GENSCAN
Start	400	End	454
GI	none	Score	.74
Exons	400..454		

Seq. No.	18773	Seq. ID	OJ990616_11.9922.C37
Gene No.	39401	Strand	+
Start	215	End	2946
Name	OJ990616_11.9922.C37.o1.gs	Method	GENSCAN
Start	215	End	2360
GI	none	Score	.8
Exons	215..308, 956..2360		

Seq. No.	18773	Seq. ID	OJ990616_11.9922.C37
Gene No.	39401	Strand	+
Start	215	End	2946
Name	OJ990616_11.9922.C37.o2.np	Method	AAT/NAP
Start	1050	End	2946
GI	4680179	Score	454
Exons	1050..2122, 2915..2946		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18773	Seq. ID	OJ990616_11.9922.C37
Gene No.	39402	Strand	-
Start	1	End	286
Name	OJ990616_11.9922.C37.o1.np	Method	AAT/NAP
Start	1	End	286
GI	4680186	Score	214
Exons	1..286		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18773	Seq. ID	OJ990616_11.9922.C37
Gene No.	39403	Strand	
Start	1269	End	1823
Name	OJ990616_11.9922.C37.o1.tw	Method	TBLASTX:Wheat
Start	1269	End	1643
GI	none	Score	262
Exons	1269..1643		

Seq. No.	18773	Seq. ID	OJ990616_11.9922.C37
Gene No.	39403	Strand	
Start	1269	End	1823
Name	OJ990616_11.9922.C37.o1.tm	Method	TBLASTX:Maize
Start	1524	End	1823
GI	none	Score	227
Exons	1524..1823, 1556..1672		

Seq. No.	18774	Seq. ID	OJ990616_11.9922.C38
Gene No.	39404	Strand	-
Start	1551	End	1611
Name	OJ990616_11.9922.C38.o1.gs	Method	GENSCAN
Start	1551	End	1611
GI	none	Score	.53
Exons	1551..1611		

Seq. No.	18775	Seq. ID	OJ990616_11.9922.C39
Gene No.	39405	Strand	-
Start	1	End	339
Name	OJ990616_11.9922.C39.o1.gp	Method	AAT/GAP
Start	1	End	339
GI	1005_1.R1084	Score	670
Exons	1..339		
GI Descrip.	'1147632 0.0e+00 (U42208) OSBZ8 [Oryza sativa]'		

Seq. No.	18775	Seq. ID	OJ990616_11.9922.C39
Gene No.	39405	Strand	-
Start	1	End	339
Name	OJ990616_11.9922.C39.o1.gs	Method	GENSCAN
Start	134	End	317
GI	none	Score	.89
Exons	134..194, 241..317		

Seq. No.	18775	Seq. ID	OJ990616_11.9922.C39
Gene No.	39406	Strand	-
Start	240	End	339
Name	OJ990616_11.9922.C39.o1.np	Method	AAT/NAP
Start	240	End	339
GI	1147632	Score	149
Exons	240..339		
GI Descrip.	(U42208) OSBZ8 [Oryza sativa]		

Seq. No.	18776	Seq. ID	OJ990616_11.9922.C40
Gene No.	39407	Strand	-
Start	1	End	210
Name	OJ990616_11.9922.C40.o1.gp	Method	AAT/GAP
Start	1	End	210
GI	4878407	Score	326
Exons	1..210		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	18777	Seq. ID	OJ990616_11.9922.C42
Gene No.	39408	Strand	-
Start	328	End	380
Name	OJ990616_11.9922.C42.o1.gp	Method	AAT/GAP

Start	328	End	380
GI	1005_1.R1084	Score	83
Exons	328..380		
GI Descrip.	'1147632 0.0e+00 (U42208) OSBZ8 [Oryza sativa]'		

Seq. No.	18778	Seq. ID	OJ990616_11.9922.C44
Gene No.	39409	Strand	-
Start	61	End	357
Name	OJ990616_11.9922.C44.o1.gs	Method	GENSCAN
Start	61	End	357
GI	none	Score	.84
Exons	61..156, 286..357		

Seq. No.	18779	Seq. ID	OJ990616_11.9922.C45
Gene No.	39410	Strand	+
Start	293	End	670
Name	OJ990616_11.9922.C45.o1.tm	Method	TBLASTX:Maize
Start	283	End	658
GI	none	Score	197
Exons	283..399, 284..400, 285..401, 524..658	456..644, 508..645, 524..646,	

Seq. No.	18779	Seq. ID	OJ990616_11.9922.C45
Gene No.	39410	Strand	+
Start	293	End	670
Name	OJ990616_11.9922.C45.o1.ts	Method	TBLASTX:Soybean
Start	290	End	644
GI	none	Score	182
Exons	290..400, 292..399, 469..642,	510..641, 522..644, 524..643	

Seq. No.	18779	Seq. ID	OJ990616_11.9922.C45
Gene No.	39410	Strand	+
Start	293	End	670
Name	OJ990616_11.9922.C45.o1.tc	Method	TBLASTX:Cress
Start	290	End	643
GI	none	Score	190
Exons	290..406, 292..420, 292..402, 524..643	327..422, 504..632, 505..642,	

Seq. No.	18779	Seq. ID	OJ990616_11.9922.C45
Gene No.	39410	Strand	+
Start	293	End	670
Name	OJ990616_11.9922.C45.o1.tw	Method	TBLASTX:Wheat
Start	290	End	643
GI	none	Score	182
Exons	290..400, 292..399, 517..642,	524..643	

Seq. No.	18779	Seq. ID	OJ990616_11.9922.C45
Gene No.	39410	Strand	+
Start	293	End	670
Name	OJ990616_11.9922.C45.o1.gp	Method	AAT/GAP
Start	293	End	670
GI	1101_1.R1084	Score	452
Exons	293..397, 507..670		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 2.0e-81 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674		

ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabid'

Seq. No.	18779	Seq. ID	OJ990616_11.9922.C45
Gene No.	39410	Strand	+
Start	293	End	670
Name	OJ990616_11.9922.C45.o1.np	Method	AAT/NAP
Start	293	End	646
GI	464986	Score	296
Exons	293..397, 507..646		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) gi|421857|pir||S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana gi|297884|emb|CAA78714| (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] gi|349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis thaliana] gi|60		

Seq. No.	18780	Seq. ID	OJ990616_11.9922.C48
Gene No.	39411	Strand	+
Start	499	End	549
Name	OJ990616_11.9922.C48.o1.gs	Method	GENSCAN
Start	499	End	549
GI	none	Score	.69
Exons	499..549		

Seq. No.	18781	Seq. ID	OJ990616_11.9922.C49
Gene No.	39412	Strand	-
Start	615	End	1250
Name	OJ990616_11.9922.C49.o1.gs	Method	GENSCAN
Start	615	End	1250
GI	none	Score	.92
Exons	615..936, 1201..1250		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39413	Strand	+
Start	145	End	1512
Name	OJ990616_11.9922.C50.o1.gs	Method	GENSCAN
Start	145	End	1085
GI	none	Score	.81
Exons	145..1085		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39413	Strand	+
Start	145	End	1512
Name	OJ990616_11.9922.C50.o1.np	Method	AAT/NAP
Start	498	End	1512
GI	6907106	Score	405
Exons	498..776, 905..1306, 1344..1512		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39413	Strand	+
Start	145	End	1512

Name	OJ990616_11.9922.C50.o1.gp	Method	AAT/GAP
Start	999	End	1253
GI	none	Score	423
Exons	999..1253		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39414	Strand	+
Start	6652	End	8489
Name	OJ990616_11.9922.C50.o3.gs	Method	GENSCAN
Start	6652	End	8489
GI	none	Score	.54
Exons	6652..6793, 7005..7158, 7384..7563, 7723..7908, 8393..8489		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39415	Strand	-
Start	2305	End	5053
Name	OJ990616_11.9922.C50.o2.gs	Method	GENSCAN
Start	2305	End	5010
GI	none	Score	.79
Exons	2305..3336, 4031..4317, 4845..5010		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39415	Strand	-
Start	2305	End	5053
Name	OJ990616_11.9922.C50.o2.np	Method	AAT/NAP
Start	2305	End	4753
GI	2541876	Score	476
Exons	2305..3309, 4721..4753		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39415	Strand	-
Start	2305	End	5053
Name	OJ990616_11.9922.C50.o2.gp	Method	AAT/GAP
Start	4056	End	5053
GI	none	Score	867
Exons	4056..4317, 4845..5053		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o4.tm	Method	TBLASTX:Maize
Start	1096	End	1413
GI	none	Score	116
Exons	1096..1221, 1096..1239, 1106..1303, 1121..1303, 1283..1315, 1357..1413, 1369..1413		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o1.tm	Method	TBLASTX:Maize
Start	2305	End	2709
GI	none	Score	77
Exons	2305..2550, 2306..2548, 2549..2626, 2558..2692, 2560..2709		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50

Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o1.tc	Method	TBLASTX:Cress
Start	2308	End	2682
GI	none	Score	173
Exons	2308..2439, 2440..2682		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o1.ts	Method	TBLASTX:Soybean
Start	2308	End	3282
GI	none	Score	87
Exons	2308..2439, 2440..2685, 2441..2686, 2848..2931, 2965..3090, 3127..3216, 3229..3282		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o5.tm	Method	TBLASTX:Maize
Start	2737	End	3279
GI	none	Score	84
Exons	2737..2850, 2830..2931, 2974..3090, 3127..3228, 3229..3279		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o1.tw	Method	TBLASTX:Wheat
Start	6705	End	7144
GI	none	Score	263
Exons	6705..7001, 6707..6841, 6875..6997, 6950..7144, 7051..7143		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o3.tm	Method	TBLASTX:Maize
Start	6828	End	7192
GI	none	Score	123
Exons	6828..7001, 6830..6997, 7022..7192, 7030..7188		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o2.tw	Method	TBLASTX:Wheat
Start	7304	End	7693
GI	none	Score	77
Exons	7304..7480, 7517..7693, 7528..7677		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50
Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o2.tm	Method	TBLASTX:Maize
Start	7634	End	7914
GI	none	Score	313
Exons	7634..7912, 7639..7914		

Seq. No.	18782	Seq. ID	OJ990616_11.9922.C50

Gene No.	39416	Strand	-
Start	11204	End	11416
Name	OJ990616_11.9922.C50.o4.gs	Method	GENSCAN
Start	11204	End	11416
GI	none	Score	.63
Exons	11204..11416		

Seq. No.	18783	Seq. ID	OJ990616_11.9922.C51
Gene No.	39417	Strand	-
Start	970	End	1110
Name	OJ990616_11.9922.C51.o1.gs	Method	GENSCAN
Start	970	End	1110
GI	none	Score	.62
Exons	970..1110		

Seq. No.	18784	Seq. ID	OJ990616_11.9922.C52
Gene No.	39418	Strand	-
Start	1916	End	2641
Name	OJ990616_11.9922.C52.o1.gs	Method	GENSCAN
Start	1916	End	2641
GI	none	Score	.99
Exons	1916..2641		

Seq. No.	18785	Seq. ID	OJ990616_11.9922.C53
Gene No.	39419	Strand	+
Start	85	End	235
Name	OJ990616_11.9922.C53.o1:gp	Method	AAT/GAP
Start	85	End	235
GI	5771114	Score	278
Exons	85..235		

Seq. No.	18785	Seq. ID	OJ990616_11.9922.C53
Gene No.	39420	Strand	+
Start	1131	End	1413
Name	OJ990616_11.9922.C53.o2.gp	Method	AAT/GAP
Start	1131	End	1413
GI	uC-osf1cyp033a10b1	Score	550
Exons	1131..1413		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	18785	Seq. ID	OJ990616_11.9922.C53
Gene No.	39420	Strand	+
Start	1131	End	1413
Name	OJ990616_11.9922.C53.o1.gs	Method	GENSCAN
Start	1265	End	1393
GI	none	Score	.68
Exons	1265..1393		

Seq. No.	18786	Seq. ID	OJ990616_11.9922.C56
Gene No.	39421	Strand	-
Start	109	End	205
Name	OJ990616_11.9922.C56.o1.gs	Method	GENSCAN
Start	109	End	205
GI	none	Score	.75
Exons	109..205		

Seq. No.	18787	Seq. ID	OJ990616_11.9922.C57
Gene No.	39422	Strand	+
Start	1	End	495
Name	OJ990616_11.9922.C57.o1.np	Method	AAT/NAP
Start	1	End	495
GI	6630685	Score	351
Exons	1..304, 374..495		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	18787	Seq. ID	OJ990616_11.9922.C57
Gene No.	39422	Strand	+
Start	1	End	495
Name	OJ990616_11.9922.C57.o1.tm	Method	TBLASTX:Maize
Start	1	End	263
GI	none	Score	361
Exons	1..261, 3..263		

Seq. No.	18787	Seq. ID	OJ990616_11.9922.C57
Gene No.	39422	Strand	+
Start	1	End	495
Name	OJ990616_11.9922.C57.o1.ts	Method	TBLASTX:Soybean
Start	1	End	252
GI	none	Score	189
Exons	1..252, 15..251		

Seq. No.	18788	Seq. ID	OJ990616_11.9922.C58
Gene No.	39423	Strand	-
Start	147	End	256
Name	OJ990616_11.9922.C58.o1.gs	Method	GENSCAN
Start	147	End	256
GI	none	Score	.97
Exons	147..256		

Seq. No.	18789	Seq. ID	OJ990616_11.9922.C59
Gene No.	39424	Strand	+
Start	534	End	880
Name	OJ990616_11.9922.C59.o1.tm	Method	TBLASTX:Maize
Start	531	End	767
GI	none	Score	120
Exons	531..620, 534..620, 618..767, 637..669, 701..766		

Seq. No.	18789	Seq. ID	OJ990616_11.9922.C59
Gene No.	39424	Strand	+
Start	534	End	880
Name	OJ990616_11.9922.C59.o1.gs	Method	GENSCAN
Start	534	End	764
GI	none	Score	.9
Exons	534..764		

Seq. No.	18789	Seq. ID	OJ990616_11.9922.C59
Gene No.	39424	Strand	+
Start	534	End	880
Name	OJ990616_11.9922.C59.o1.np	Method	AAT/NAP
Start	534	End	880
GI	6665552	Score	169
Exons	534..880		

GI Descrip.	(AC013289) putative sterol desaturase [Arabidopsis thaliana]		
Seq. No.	18790	Seq. ID	OJ990616_11.9922.C60
Gene No.	39425	Strand	-
Start	86	End	585
Name	OJ990616_11.9922.C60.o1.np	Method	AAT/NAP
Start	86	End	585
GI	5734635	Score	471
Exons	86..585		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		
Seq. No.	18790	Seq. ID	OJ990616_11.9922.C60
Gene No.	39425	Strand	-
Start	86	End	585
Name	OJ990616_11.9922.C60.o1.gs	Method	GENSCAN
Start	302	End	433
GI	none	Score	.73
Exons	302..433		
Seq. No.	18791	Seq. ID	OJ990616_11.9922.C61
Gene No.	39426	Strand	+
Start	1	End	342
Name	OJ990616_11.9922.C61.o2.np	Method	AAT/NAP
Start	1	End	342
GI	4680183	Score	131
Exons	1..40, 253..342		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	18791	Seq. ID	OJ990616_11.9922.C61
Gene No.	39426	Strand	+
Start	1	End	342
Name	OJ990616_11.9922.C61.o1.gs	Method	GENSCAN
Start	172	End	298
GI	none	Score	.71
Exons	172..298		
Seq. No.	18791	Seq. ID	OJ990616_11.9922.C61
Gene No.	39427	Strand	-
Start	1	End	220
Name	OJ990616_11.9922.C61.o1.np	Method	AAT/NAP
Start	1	End	220
GI	6721561	Score	62
Exons	1..78, 134..220		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	18792	Seq. ID	OJ990616_11.9922.C64
Gene No.	39428	Strand	+
Start	115	End	284
Name	OJ990616_11.9922.C64.o1.gs	Method	GENSCAN
Start	115	End	284
GI	none	Score	.57
Exons	115..284		

Seq. No.	18793	Seq. ID	OJ990616_11.9922.C65
Gene No.	39429	Strand	+
Start	164	End	318
Name	OJ990616_11.9922.C65.o1.gs	Method	GENSCAN
Start	164	End	318
GI	none	Score	.47
Exons	164..318		

Seq. No.	18793	Seq. ID	OJ990616_11.9922.C65
Gene No.	39430	Strand	-
Start	183	End	293
Name	OJ990616_11.9922.C65.o1.gp	Method	AAT/GAP
Start	183	End	293
GI	uC-osflcyp088b12b1	Score	135
Exons	183..293		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	18794	Seq. ID	OJ990716_13.9910.C1
Gene No.	39431	Strand	-
Start	12	End	77
Name	OJ990716_13.9910.C1.o1.gs	Method	GENSCAN
Start	12	End	77
GI	none	Score	.99
Exons	12..77		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39432	Strand	+
Start	981	End	2174
Name	OJ990716_13.9910.C2.o1.gs	Method	GENSCAN
Start	981	End	2174
GI	none	Score	1
Exons	981..2174		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39433	Strand	+
Start	3131	End	11386
Name	OJ990716_13.9910.C2.o2.gs	Method	GENSCAN
Start	3131	End	11371
GI	none	Score	.44
Exons	3131..3241, 3338..3477, 4535..4997, 5164..5364, 5462..5543, 5856..6125, 6236..7397, 7750..7805, 8145..10181, 10751..10914, 10988..11371		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39433	Strand	+
Start	3131	End	11386
Name	OJ990716_13.9910.C2.o1.np	Method	AAT/NAP
Start	4753	End	10312
GI	4432866	Score	1778
Exons	4753..5448, 5666..6155, 6206..9775, 9833..10312		
GI Descrip.	(AC006300) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39433	Strand	+
Start	3131	End	11386

Name	OJ990716_13.9910.C2.o2.np	Method	AAT/NAP
Start	6166	End	11215
GI	2583130	Score	1761
Exons	6166..9706, 9759..10227, 10411..10460, 11178..11215		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39433	Strand	+
Start	3131	End	11386
Name	OJ990716_13.9910.C2.o3.np	Method	AAT/NAP
Start	9163	End	11386
GI	5257263	Score	222
Exons	9163..9189, 10814..11386		
GI Descrip.	(AP000364) EST AU029260(E30024) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana rd22 gene. (D10703) [Oryza sativa]		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39434	Strand	-
Start	2419	End	2552
Name	OJ990716_13.9910.C2.o1.gp	Method	AAT/GAP
Start	2419	End	2552
GI	LIB3477-003-P1-K1-E9	Score	168
Exons	2419..2552		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39435	Strand	-
Start	11252	End	11460
Name	OJ990716_13.9910.C2.o2.gp	Method	AAT/GAP
Start	11252	End	11460
GI	uC-osflcyp177c09a1	Score	304
Exons	11252..11460		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39436	Strand	-
Start	13207	End	18220
Name	OJ990716_13.9910.C2.o4.np	Method	AAT/NAP
Start	12810	End	18220
GI	4512618	Score	1671
Exons	12810..12961, 13231..14827, 15079..16643, 16873..17567, 18120..18220		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39436	Strand	-
Start	13207	End	18220
Name	OJ990716_13.9910.C2.o3.gs	Method	GENSCAN
Start	13207	End	17575
GI	none	Score	.61

Exons	13207..13769, 13873..13941, 13972..14757, 14860..14991, 15223..15348, 15588..15724, 16149..16301, 16426..16620, 17064..17218, 17345..17575		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o5.tw	Method	TBLASTX:Wheat
Start	6271	End	6657
GI	none	Score	107
Exons	6271..6462, 6285..6380, 6457..6657, 6471..6608		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o7.tm	Method	TBLASTX:Maize
Start	7709	End	8341
GI	none	Score	104
Exons	7709..7864, 7898..8170, 8213..8341		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o1.tw	Method	TBLASTX:Wheat
Start	7753	End	8134
GI	none	Score	252
Exons	7753..7968, 7754..7972, 7763..7975, 7960..8133, 7967..8134		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o3.ts	Method	TBLASTX:Soybean
Start	7886	End	8185
GI	none	Score	198
Exons	7886..8185		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o2.tw	Method	TBLASTX:Wheat
Start	8305	End	8701
GI	none	Score	86
Exons	8305..8403, 8306..8404, 8405..8656, 8410..8685, 8411..8686, 8657..8701		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o9.tm	Method	TBLASTX:Maize
Start	8497	End	8869
GI	none	Score	240
Exons	8497..8859, 8498..8869		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o3.tw	Method	TBLASTX:Wheat

Start	9287	End	9706
GI	none	Score	339
Exons	9287..9568, 9305..9706, 9610..9693		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o6.tm	Method	TBLASTX:Maize
Start	10740	End	11314
GI	none	Score	99
Exons	10740..10934, 10828..10938, 10954..11028, 11020..11127, 11039..11128, 11107..11202, 11108..11206, 11246..11305, 11255..11314		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o3.tm	Method	TBLASTX:Maize
Start	13237	End	13569
GI	none	Score	43
Exons	13237..13275, 13241..13273, 13315..13569, 13316..13516, 13327..13569		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o1.ts	Method	TBLASTX:Soybean
Start	13351	End	13845
GI	none	Score	95
Exons	13351..13845, 13354..13632, 13562..13681		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o2.tm	Method	TBLASTX:Maize
Start	13570	End	13894
GI	none	Score	109
Exons	13570..13692, 13570..13845, 13583..13696, 13729..13845, 13859..13894		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o6.tw	Method	TBLASTX:Wheat
Start	13642	End	13845
GI	none	Score	65
Exons	13642..13845, 13714..13833		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o1.tm	Method	TBLASTX:Maize
Start	13901	End	14348
GI	none	Score	157
Exons	13901..14341, 13901..14347, 13914..14348		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2

Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o4.tw	Method	TBLASTX:Wheat
Start	13934	End	14480
GI	none	Score	35
Exons	13934..14149, 13950..13985, 14043..14093, 14135..14479, 14136..14480		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o2.ts	Method	TBLASTX:Soybean
Start	14148	End	14743
GI	5509260	Score	90
Exons	14148..14321, 14150..14743		
GI Descrip.	-		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o1.tc	Method	TBLASTX:Cress
Start	14261	End	14513
GI	none	Score	61
Exons	14261..14512, 14283..14423, 14448..14513		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o5.tm	Method	TBLASTX:Maize
Start	14348	End	14600
GI	none	Score	187
Exons	14348..14599, 14349..14600		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o4.tm	Method	TBLASTX:Maize
Start	15260	End	15685
GI	none	Score	95
Exons	15260..15340, 15337..15402, 15406..15492, 15481..15618, 15578..15685, 15580..15681		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o10.tm	Method	TBLASTX:Maize
Start	15785	End	16195
GI	none	Score	83
Exons	15785..15910, 15804..15911, 15914..15967, 16001..16060, 16044..16061, 16109..16195, 16118..16189		

Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o8.tm	Method	TBLASTX:Maize
Start	17069	End	17506
GI	none	Score	105

Exons	17069..17338, 17142..17321, 17384..17449, 17468..17506		
Seq. No.	18795	Seq. ID	OJ990716_13.9910.C2
Gene No.	39437	Strand	-
Start	18405	End	18812
Name	OJ990716_13.9910.C2.o4.gs	Method	GENSCAN
Start	18405	End	18812
GI	none	Score	1
Exons	18405..18812		
Seq. No.	18796	Seq. ID	OJ990716_13.9910.C4
Gene No.	39438	Strand	+
Start	13123	End	21984
Name	OJ990716_13.9910.C4.o3.gs	Method	GENSCAN
Start	13123	End	21984
GI	none	Score	.54
Exons	13123..13167, 13478..13854, 17247..17342, 17691..17787, 17895..17939, 18079..18207, 18533..18656, 19997..21984		
Seq. No.	18796	Seq. ID	OJ990716_13.9910.C4
Gene No.	39439	Strand	-
Start	5604	End	8981
Name	OJ990716_13.9910.C4.o1.gp	Method	AAT/GAP
Start	5604	End	6300
GI	6012799	Score	1276
Exons	5604..6300		
Seq. No.	18796	Seq. ID	OJ990716_13.9910.C4
Gene No.	39439	Strand	-
Start	5604	End	8981
Name	OJ990716_13.9910.C4.o2.gs	Method	GENSCAN
Start	5986	End	8981
GI	none	Score	.5
Exons	5986..6113, 6224..6450, 8851..8981		
Seq. No.	18796	Seq. ID	OJ990716_13.9910.C4
Gene No.	39440	Strand	
Start	20217	End	22026
Name	OJ990716_13.9910.C4.o1.tc	Method	TBLASTX:Cress
Start	20217	End	22026
GI	none	Score	116
Exons	20217..20474, 20218..20454, 20230..20361, 20329..20469, 20518..20637, 20524..20637, 20647..20784, 20860..21075, 20863..21072, 21088..21171, 21220..21336, 21460..21885, 21481..21699, 21667..21774, 21784..21861, 21805..21897, 21907..22026		
Seq. No.	18796	Seq. ID	OJ990716_13.9910.C4
Gene No.	39440	Strand	
Start	20217	End	22026
Name	OJ990716_13.9910.C4.o1.ts	Method	TBLASTX:Soybean
Start	20218	End	21894
GI	none	Score	88
Exons	20218..20397, 20518..20637, 20650..20718, 20650..20841, 20860..21024, 20944..21192, 21463..21633, 21658..21894		
Seq. No.	18796	Seq. ID	OJ990716_13.9910.C4

Gene No.	39440	Strand	
Start	20217	End	22026
Name	OJ990716_13.9910.C4.o1.tm	Method	TBLASTX:Maize
Start	20548	End	21906
GI	none	Score	60
Exons	20548..20637, 20689..20823, 20689..20826, 20863..21174, 20998..21195, 21193..21336, 21445..21699, 21694..21906		

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39441	Strand	+
Start	1	End	5967
Name	OJ990716_13.9910.C5.o1.np	Method	AAT/NAP
Start	1	End	3751
GI	6522552	Score	517
Exons	1..816, 3654..3751		
GI Descrip.	(AL132967) putative protein [Arabidopsis thaliana]		

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39441	Strand	+
Start	1	End	5967
Name	OJ990716_13.9910.C5.o1.gs	Method	GENSCAN
Start	60	End	5967
GI	none	Score	.71
Exons	60..816, 1174..1455, 4339..4442, 4648..4720, 5771..5967		

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39441	Strand	+
Start	1	End	5967
Name	OJ990716_13.9910.C5.o1.gp	Method	AAT/GAP
Start	1685	End	1792
GI	427308	Score	180
Exons	1685..1792		

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39442	Strand	+
Start	8249	End	9987
Name	OJ990716_13.9910.C5.o2.gs	Method	GENSCAN
Start	8249	End	9987
GI	none	Score	.63
Exons	8249..8458, 9829..9987		

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39443	Strand	-
Start	8869	End	9148
Name	OJ990716_13.9910.C5.o1.tw	Method	TBLASTX:Wheat
Start	3	End	398
GI	none	Score	49
Exons	3..77, 99..398, 120..398		

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39443	Strand	-
Start	8869	End	9148
Name	OJ990716_13.9910.C5.o1.tc	Method	TBLASTX:Cress
Start	114	End	791
GI	none	Score	39
Exons	114..143, 153..473, 230..472, 498..791, 515..703		

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39443	Strand	-
Start	8869	End	9148
Name	OJ990716_13.9910.C5.o1.ts	Method	TBLASTX:Soybean
Start	273	End	800
GI	none	Score	168
Exons	273..473, 302..448, 498..800,	503..739	

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39443	Strand	-
Start	8869	End	9148
Name	OJ990716_13.9910.C5.o1.tm	Method	TBLASTX:Maize
Start	303	End	752
GI	none	Score	137
Exons	303..473, 311..472, 474..752,	593..751	

Seq. No.	18797	Seq. ID	OJ990716_13.9910.C5
Gene No.	39443	Strand	-
Start	8869	End	9148
Name	OJ990716_13.9910.C5.o2.gp	Method	AAT/GAP
Start	8869	End	9148
GI	2798372	Score	519
Exons	8869..9148		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o1.gs	Method	GENSCAN
Start	1350	End	8136
GI	none	Score	.8
Exons	1350..1491, 2308..2378, 3244..3348, 3768..3881, 4157..4217, 4321..4524, 4981..5296, 5404..6108, 6561..6620, 6687..6822, 7482..7566, 7639..7692, 7987..8136		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o1.np	Method	AAT/NAP
Start	2334	End	8233
GI	3142301	Score	1331
Exons	2334..2490, 3076..3163, 3244..3356, 3768..3881, 4157..4217, 4321..4524, 4981..5475, 5626..6094, 6321..6446, 6553..6620, 6714..6822, 7482..7566, 7639..7757, 7980..8233		
GI Descrip.	(AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb|Q05946. ESTs gb|N65081 gb|Z30910, gb|Z34190, gb|Z34611, gb|R30101, gb|H3630...		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o3.tm	Method	TBLASTX:Maize
Start	3074	End	4220
GI	none	Score	95
Exons	3074..3166, 3078..3161, 3079..3198, 3239..3325, 3240..3293, 3242..3328, 3244..3327, 3756..3896, 3757..3882, 3758..3892, 4157..4216, 4161..4220		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o1.ts	Method	TBLASTX:Soybean
Start	3131	End	5464
GI	none	Score	49
Exons	3131..3166, 3242..3328, 3244..3327, 3328..3357, 3756..3896, 3757..3882, 4157..4216, 4320..4418, 4413..4529, 4414..4530, 4981..5091, 4983..5111, 5399..5464		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o2.tc	Method	TBLASTX:Cress
Start	3242	End	4530
GI	none	Score	110
Exons	3242..3328, 3242..3292, 3244..3327, 3756..3896, 3757..3882, 4157..4216, 4158..4217, 4326..4409, 4410..4529, 4444..4530		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o1.gp	Method	AAT/GAP
Start	4473	End	5495
GI	21990_1.R1084	Score	799
Exons	4473..4524, 4981..5296, 5404..5495		
GI Descrip.	'3142301 3.0e-26 (AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb_M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb_Q05946. ESTs gb_N65081 gb_Z30910, gb_Z34190, gb_Z34611, gb_R30101, gb_H3630'		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o1.tm	Method	TBLASTX:Maize
Start	4963	End	5498
GI	none	Score	156
Exons	4963..5106, 4981..5091, 4983..5120, 5101..5232, 5138..5224, 5216..5308, 5235..5297, 5386..5496, 5390..5494, 5391..5498		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o2.tm	Method	TBLASTX:Maize
Start	5537	End	6083
GI	none	Score	104
Exons	5537..5731, 5548..5727, 5551..5739, 5762..5896, 5769..5843, 5857..5889, 5900..6073, 5900..6082, 5916..6083		

Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o2.ts	Method	TBLASTX:Soybean
Start	6011	End	6823
GI	none	Score	102

Exons	6011..6097, 6316..6444, 6318..6449, 6319..6447, 6550..6651, 6560..6619, 6715..6822, 6716..6823		
Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o1.tc	Method	TBLASTX:Cress
Start	6014	End	6825
GI	none	Score	94
Exons	6014..6103, 6312..6449, 6322..6447, 6544..6633, 6551..6619, 6715..6825, 6722..6823		
Seq. No.	18798	Seq. ID	OJ990716_13.9910.C6
Gene No.	39444	Strand	-
Start	1350	End	8233
Name	OJ990716_13.9910.C6.o4.tm	Method	TBLASTX:Maize
Start	7542	End	8141
GI	none	Score	175
Exons	7542..7565, 7639..7755, 7641..7754, 7649..7765, 7986..8060, 8062..8139, 8064..8138, 8066..8140, 8067..8141		
Seq. No.	18799	Seq. ID	OJ990716_13.9910.C7
Gene No.	39445	Strand	+
Start	1768	End	2753
Name	OJ990716_13.9910.C7.o1.gs	Method	GENSCAN
Start	1768	End	2753
GI	none	Score	.56
Exons	1768..1815, 2475..2753		
Seq. No.	18800	Seq. ID	OJ990716_13.9910.C8
Gene No.	39446	Strand	-
Start	324	End	1898
Name	OJ990716_13.9910.C8.o1.gs	Method	GENSCAN
Start	324	End	1898
GI	none	Score	.92
Exons	324..551, 1845..1898		
Seq. No.	18801	Seq. ID	OJ990716_13.9910.C9
Gene No.	39447	Strand	+
Start	857	End	976
Name	OJ990716_13.9910.C9.o1.gs	Method	GENSCAN
Start	857	End	976
GI	none	Score	.65
Exons	857..976		
Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39448	Strand	+
Start	184	End	2764
Name	OJ990716_13.9910.C10.o1.gs	Method	GENSCAN
Start	184	End	2450
GI	none	Score	.83
Exons	184..276, 833..977, 1068..1178, 1582..1664, 1753..1810, 2371..2450		
Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39448	Strand	+
Start	184	End	2764

Name	OJ990716_13.9910.C10.o1.np	Method	AAT/NAP
Start	184	End	2447
GI	6911870	Score	453
Exons	184..276, 833..977, 1068..1178, 1582..1664, 1753..1810, 2371..2447		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39448	Strand	+
Start	184	End	2764
Name	OJ990716_13.9910.C10.o1.gp	Method	AAT/GAP
Start	829	End	2764
GI	1109_1.R1084	Score	1440
Exons	829..977, 1068..1178, 1582..1664, 1753..1810, 2371..2764		
GI Descrip.	'1077413/pir||S51431 2.0e-34 hypothetical protein YLR186w - yeast (Saccharomyces cerevisiae) >gi_577197 (U17246) Ylr186wp [Saccharomyces cerevisiae]'		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39449	Strand	-
Start	3555	End	5618
Name	OJ990716_13.9910.C10.o2.gs	Method	GENSCAN
Start	3555	End	5618
GI	none	Score	.84
Exons	3555..3947, 4314..5618		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39449	Strand	-
Start	3555	End	5618
Name	OJ990716_13.9910.C10.o2.np	Method	AAT/NAP
Start	3570	End	5618
GI	4415931	Score	1462
Exons	3570..3947, 4314..5618		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39449	Strand	-
Start	3555	End	5618
Name	OJ990716_13.9910.C10.o2.gp	Method	AAT/GAP
Start	4632	End	5219
GI	5607405	Score	1144
Exons	4632..5219		
GI Descrip.	4415931/gb|AAD20161| 8.0e-42 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o4.tm	Method	TBLASTX:Maize
Start	183	End	1180
GI	none	Score	169
Exons	183..272, 184..276, 824..988, 824..976, 832..984, 1046..1180, 1050..1178, 1069..1179		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-

Start	7225	End	13827
Name	OJ990716_13.9910.C10.o6.ts	Method	TBLASTX:Soybean
Start	184	End	2444
GI	none	Score	140
Exons	184..276, 195..272, 824..976, 830..988, 835..984, 1046..1180, 1072..1179, 1568..1666, 1578..1667, 1747..1806, 1747..1806, 2364..2444		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o4.tc	Method	TBLASTX:Cress
Start	836	End	2465
GI	none	Score	203
Exons	836..988, 838..969, 1046..1153, 1060..1140, 1741..1806, 2364..2465		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o1.tm	Method	TBLASTX:Maize
Start	3504	End	5645
GI	none	Score	56
Exons	3504..3566, 3570..3950, 3574..3963, 3582..3956, 4305..4355, 4306..4353, 4314..4361, 4315..4368, 4355..4525, 4361..4528, 4365..4529, 4365..4529, 4366..4530, 4528..4926, 4538..4855, 4539..4925, 4920..5054, 4927..4974, 4980..5540, 4986..5174, 5009..5374, 5173..5544, 5226..5546, 5416..5544, 5559..5645, 5560..5622		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o1.tc	Method	TBLASTX:Cress
Start	3579	End	4466
GI	none	Score	145
Exons	3579..3875, 3580..3873, 3882..3956, 3883..3963, 4305..4466, 4306..4461		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o4.ts	Method	TBLASTX:Soybean
Start	3588	End	3963
GI	none	Score	263
Exons	3588..3953, 3589..3963		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o2.ts	Method	TBLASTX:Soybean
Start	4365	End	4959
GI	none	Score	147
Exons	4365..4550, 4365..4550, 4387..4551, 4542..4601, 4600..4959, 4603..4842, 4605..4937		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10

Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o2.tc	Method	TBLASTX:Cress
Start	4626	End	4937
GI	none	Score	205
Exons	4626..4937, 4630..4935		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o3.tc	Method	TBLASTX:Cress
Start	5205	End	5490
GI	none	Score	151
Exons	5205..5489, 5218..5490		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o5.ts	Method	TBLASTX:Soybean
Start	5286	End	5486
GI	none	Score	80
Exons	5286..5486, 5329..5466		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o3.gs	Method	GENSCAN
Start	7225	End	13724
GI	none	Score	.67
Exons	7225..7378, 8794..8862, 9144..9634, 10604..11716, 11797..11826, 12598..12792, 13565..13724		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o2.tm	Method	TBLASTX:Maize
Start	8918	End	10776
GI	none	Score	71
Exons	8918..8983, 8993..9025, 9083..9151, 9087..9152, 9152..9640, 9152..9640, 9504..9650, 10554..10775, 10601..10774, 10606..10776		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o3.ts	Method	TBLASTX:Soybean
Start	9083	End	9400
GI	none	Score	204
Exons	9083..9400, 9086..9400		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o3.np	Method	AAT/NAP
Start	9090	End	13827
GI	2120736	Score	688
Exons	9090..9634, 10604..11716, 11797..11831, 12606..12792, 13505..13827		

GI Descrip.	X-Pro dipeptidyl-peptidase (EC 3.4.14.11) - Xanthomonas maltophilia gi|1753197|dbj|BAA11872| (D83263) dipeptidyl peptidase IV [Stenotrophomonas maltophilia]		
Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o1.tw	Method	TBLASTX:Wheat
Start	9428	End	10700
GI	none	Score	50
Exons	9428..9640, 9429..9467, 9431..9640, 9504..9650, 10551..10700, 10601..10699		
Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o1.ts	Method	TBLASTX:Soybean
Start	9452	End	12715
GI	none	Score	91
Exons	9452..9640, 9452..9640, 10601..11254, 10604..10723, 10605..11243, 10931..11251, 11047..11253, 11253..11717, 11258..11725, 11258..11716, 11260..11718, 11780..11821, 11788..11823, 12601..12714, 12602..12715		
Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o3.gp	Method	AAT/GAP
Start	10772	End	11290
GI	uC-osflcyp071g10b1	Score	1001
Exons	10772..11290		
GI Descrip.	'4415931/gb|AAD20161| 8.0e-42 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]'		
Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o6.tm	Method	TBLASTX:Maize
Start	10796	End	10953
GI	none	Score	42
Exons	10796..10837, 10797..10835, 10817..10951, 10848..10949, 10879..10953		
Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o3.tm	Method	TBLASTX:Maize
Start	10954	End	11249
GI	none	Score	405
Exons	10954..11247, 10955..11248, 10956..11249, 10956..11249		
Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o7.tm	Method	TBLASTX:Maize
Start	11250	End	11464

GI	none	Score	88
Exons	11250..11303, 11251..11319, 11252..11371, 11318..11458, 11327..11464		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o2.tw	Method	TBLASTX:Wheat
Start	11521	End	12706
GI	none	Score	249
Exons	11521..11631, 11522..11716, 11523..11717, 11592..11717, 11695..11721, 11788..11829, 11801..11824, 12595..12663, 12597..12683, 12641..12706, 12661..12705		

Seq. No.	18802	Seq. ID	OJ990716_13.9910.C10
Gene No.	39450	Strand	-
Start	7225	End	13827
Name	OJ990716_13.9910.C10.o5.tm	Method	TBLASTX:Maize
Start	12619	End	13720
GI	none	Score	185
Exons	12619..12789, 12620..12790, 12620..12793, 12628..12792, 12633..12794, 13439..13522, 13485..13520, 13529..13684, 13643..13681, 13697..13720		

Seq. No.	18803	Seq. ID	OJ990716_13.9910.C11
Gene No.	39451	Strand	+
Start	1	End	6880
Name	OJ990716_13.9910.C11.o1.np	Method	AAT/NAP
Start	1	End	6880
GI	3513738	Score	276
Exons	1..77, 4438..4605, 5807..5847, 5878..5991, 6777..6880		
GI Descrip.	(AF080118) similar to the GDSL family of lipolytic enzymes [Arabidopsis thaliana]		

Seq. No.	18803	Seq. ID	OJ990716_13.9910.C11
Gene No.	39451	Strand	+
Start	1	End	6880
Name	OJ990716_13.9910.C11.o1.tm	Method	TBLASTX:Maize
Start	1353	End	1698
GI	none	Score	144
Exons	1353..1493, 1582..1698		

Seq. No.	18803	Seq. ID	OJ990716_13.9910.C11
Gene No.	39451	Strand	+
Start	1	End	6880
Name	OJ990716_13.9910.C11.o1.gs	Method	GENSCAN
Start	1400	End	3739
GI	none	Score	.51
Exons	1400..1422, 1473..1608, 3013..3228, 3599..3739		

Seq. No.	18803	Seq. ID	OJ990716_13.9910.C11
Gene No.	39451	Strand	+
Start	1	End	6880
Name	OJ990716_13.9910.C11.o2.tm	Method	TBLASTX:Maize
Start	2597	End	4650
GI	none	Score	126
Exons	2597..2857, 2687..2815, 4441..4650, 4461..4616		

Seq. No.	18803	Seq. ID	OJ990716_13.9910.C11
Gene No.	39451	Strand	+
Start	1	End	6880
Name	OJ990716_13.9910.C11.o1.ts	Method	TBLASTX:Soybean
Start	2669	End	4617
GI	none	Score	94
Exons	2669..2761, 2677..2760, 2756..2857, 4441..4524, 4461..4523, 4515..4604, 4516..4617		

Seq. No.	18803	Seq. ID	OJ990716_13.9910.C11
Gene No.	39451	Strand	+
Start	1	End	6880
Name	OJ990716_13.9910.C11.o2.gs	Method	GENSCAN
Start	4291	End	6022
GI	none	Score	.71
Exons	4291..4609, 5799..6022		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39452	Strand	+
Start	327	End	3001
Name	OJ990716_13.9910.C12.o1.gs	Method	GENSCAN
Start	327	End	3001
GI	none	Score	.48
Exons	327..551, 572..904, 1135..1320, 1746..1841, 2898..3001		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39453	Strand	+
Start	5045	End	10327
Name	OJ990716_13.9910.C12.o3.gs	Method	GENSCAN
Start	5045	End	10327
GI	none	Score	.76
Exons	5045..6790, 7224..7310, 7396..7567, 7581..7705, 8793..9087, 9182..9370, 10059..10327		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39453	Strand	+
Start	5045	End	10327
Name	OJ990716_13.9910.C12.o1.np	Method	AAT/NAP
Start	5085	End	10327
GI	2316016	Score	3134
Exons	5085..6790, 7224..7310, 7396..8026, 8146..8310, 8793..9087, 9182..9396, 10022..10327		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39454	Strand	-
Start	3200	End	4857
Name	OJ990716_13.9910.C12.o2.gs	Method	GENSCAN
Start	3200	End	4857
GI	none	Score	.54
Exons	3200..3852, 4035..4115, 4264..4411, 4798..4857		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o1.tc	Method	TBLASTX:Cress

Start	5111	End	10333
GI	none	Score	108
Exons	5111..5281, 5119..5280, 5284..5835, 5285..5596, 5393..5944, 5657..5755, 5822..5944, 5947..6798, 5948..6790, 6347..6484, 7215..7313, 7217..7315, 7395..7466, 7395..7466, 7396..7548, 7613..7831, 7644..7793, 7645..7830, 7849..7977, 7851..7970, 7852..7971, 7972..8025, 7973..8032, 8143..8322, 8788..8865, 8790..9035, 8795..9031, 8988..9041, 9186..9401, 9187..9399, 9202..9420, 10022..10333, 10129..10326		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o5.tm	Method	TBLASTX:Maize
Start	6128	End	6499
GI	none	Score	96
Exons	6128..6277, 6314..6499, 6340..6498		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o1.ts	Method	TBLASTX:Soybean
Start	6392	End	6751
GI	none	Score	488
Exons	6392..6751, 6396..6599, 6397..6750		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o4.tm	Method	TBLASTX:Maize
Start	6539	End	6798
GI	none	Score	334
Exons	6539..6796, 6539..6790, 6583..6792, 6592..6798		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o3.ts	Method	TBLASTX:Soybean
Start	6752	End	7783
GI	none	Score	62
Exons	6752..6790, 7215..7313, 7217..7315, 7386..7454, 7396..7560, 7630..7779, 7631..7783, 7647..7781		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o2.tm	Method	TBLASTX:Maize
Start	7724	End	8256
GI	none	Score	174
Exons	7724..7846, 7724..7846, 7726..7848, 7726..7848, 7851..7967, 7852..7971, 7969..8025, 7973..8026, 8143..8256, 8145..8255, 8146..8256		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o2.ts	Method	TBLASTX:Soybean

Start	8206	End	10333
GI	none	Score	111
Exons	8206..8322, 8214..8309, 8789..9085, 8790..9098, 8988..9098, 9186..9401, 9187..9399, 9187..9402, 9206..9403, 10018..10071, 10022..10333, 10141..10326		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o3.tm	Method	TBLASTX:Maize
Start	8257	End	9059
GI	none	Score	76
Exons	8257..8322, 8789..9049, 8790..9059, 8790..8924, 8795..9055, 8988..9059		

Seq. No.	18804	Seq. ID	OJ990716_13.9910.C12
Gene No.	39455	Strand	
Start	5111	End	10333
Name	OJ990716_13.9910.C12.o1.tm	Method	TBLASTX:Maize
Start	9228	End	10333
GI	none	Score	129
Exons	9228..9326, 9229..9345, 9358..9399, 9360..9398, 10018..10077, 10022..10333, 10089..10127, 10138..10326		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39456	Strand	+
Start	188	End	1345
Name	OJ990716_13.9910.C13.o1.np	Method	AAT/NAP
Start	188	End	1345
GI	5922628	Score	360
Exons	188..285, 1082..1345		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39457	Strand	+
Start	6678	End	16427
Name	OJ990716_13.9910.C13.o1.gp	Method	AAT/GAP
Start	6583	End	10637
GI	none	Score	1795
Exons	6583..6999, 8528..8626, 9849..9947, 10063..10164, 10268..10375, 10449..10637		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39457	Strand	+
Start	6678	End	16427
Name	OJ990716_13.9910.C13.o2.gs	Method	GENSCAN
Start	6678	End	7381
GI	none	Score	.73
Exons	6678..6999, 7293..7381		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39457	Strand	+
Start	6678	End	16427
Name	OJ990716_13.9910.C13.o3.gs	Method	GENSCAN
Start	8528	End	11158

GI	none	Score	.56
Exons	8528..8666, 9021..9588, 9793..9947, 10063..10164, 10268..10375, 10455..11158		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39457	Strand	+
Start	6678	End	16427
Name	OJ990716_13.9910.C13.o2.np	Method	AAT/NAP
Start	9853	End	16427
GI	6063554	Score	269
Exons	9853..9893, 13547..13731, 13856..14074, 15591..15618, 16247..16427		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39457	Strand	+
Start	6678	End	16427
Name	OJ990716_13.9910.C13.o3.gp	Method	AAT/GAP
Start	13594	End	13950
GI	428878	Score	444
Exons	13594..13950		
GI Descrip.	6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39458	Strand	-
Start	10999	End	11344
Name	OJ990716_13.9910.C13.o2.gp	Method	AAT/GAP
Start	10999	End	11344
GI	uC-osflcyp177c09a1	Score	574
Exons	10999..11344		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39459	Strand	-
Start	11501	End	14434
Name	OJ990716_13.9910.C13.o4.gs	Method	GENSCAN
Start	11501	End	14434
GI	none	Score	.6
Exons	11501..11660, 11875..11906, 13494..13704, 13802..13884, 13987..14074, 14094..14434		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39460	Strand	-
Start	14585	End	14796
Name	OJ990716_13.9910.C13.o2.tm	Method	TBLASTX:Maize
Start	3062	End	3853
GI	none	Score	84
Exons	3062..3175, 3065..3172, 3074..3193, 3080..3175, 3083..3181, 3096..3179, 3098..3175, 3196..3375, 3233..3364, 3239..3379, 3241..3342, 3242..3337, 3242..3373, 3244..3342, 3244..3378, 3247..3387, 3256..3375, 3322..3414, 3322..3414, 3370..3558, 3375..3467, 3376..3468, 3404..3556, 3405..3527, 3406..3555, 3406..3570, 3437..3577, 3449..3571, 3452..3571, 3454..3549,		

3455..3601, 3456..3581, 3458..3559, 3459..3581, 3582..3845,
3603..3710, 3605..3715, 3606..3710, 3606..3725, 3611..3718,
3611..3724, 3614..3736, 3618..3740, 3725..3844, 3725..3853

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39460	Strand	-
Start	14585	End	14796
Name	OJ990716_13.9910.C13.o1.tm	Method	TBLASTX:Maize
Start	10453	End	11101
GI	none	Score	70
Exons	10453..10533, 10472..10531, 10577..10708, 10595..10690, 10757..10828, 10807..10914, 10826..10915, 10894..11031, 10895..11035, 11018..11101, 11033..11092		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39460	Strand	-
Start	14585	End	14796
Name	OJ990716_13.9910.C13.o1.ts	Method	TBLASTX:Soybean
Start	10580	End	11167
GI	none	Score	74
Exons	10580..10714, 10730..10852, 10874..11011, 11030..11068, 11111..11167		

Seq. No.	18805	Seq. ID	OJ990716_13.9910.C13
Gene No.	39460	Strand	-
Start	14585	End	14796
Name	OJ990716_13.9910.C13.o5.gs	Method	GENSCAN
Start	14585	End	14796
GI	none	Score	.76
Exons	14585..14796		

Seq. No.	18806	Seq. ID	OJ990726_14.9907.C4
Gene No.	39461	Strand	+
Start	1	End	769
Name	OJ990726_14.9907.C4.o1.np	Method	AAT/NAP
Start	1	End	769
GI	4680204	Score	103
Exons	1..57, 403..644, 721..769		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	18806	Seq. ID	OJ990726_14.9907.C4
Gene No.	39461	Strand	+
Start	1	End	769
Name	OJ990726_14.9907.C4.o1.gs	Method	GENSCAN
Start	174	End	655
GI	none	Score	.79
Exons	174..655		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39462	Strand	+
Start	1254	End	3616
Name	OJ990726_14.9907.C5.o1.gs	Method	GENSCAN
Start	1254	End	3616
GI	none	Score	.65
Exons	1254..1326, 1400..1565, 1795..2044, 2931..3023, 3045..3212, 3602..3616		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39462	Strand	+
Start	1254	End	3616
Name	OJ990726_14.9907.C5.o1.gp	Method	AAT/GAP
Start	1486	End	3149
GI	none	Score	1016
Exons	1486..1565, 1795..2044, 2931..3149		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39463	Strand	+
Start	25272	End	27118
Name	OJ990726_14.9907.C5.o3.np	Method	AAT/NAP
Start	25038	End	27118
GI	4680203	Score	1858
Exons	25038..26689, 27080..27118		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39463	Strand	+
Start	25272	End	27118
Name	OJ990726_14.9907.C5.o6.gp	Method	AAT/GAP
Start	25042	End	26697
GI	342_1.R1084	Score	2562
Exons	25042..26697		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39463	Strand	+
Start	25272	End	27118
Name	OJ990726_14.9907.C5.o4.gs	Method	GENSCAN
Start	25272	End	26578
GI	none	Score	.54
Exons	25272..25673, 25734..25846, 25894..26578		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39464	Strand	-
Start	3173	End	3654
Name	OJ990726_14.9907.C5.o2.gp	Method	AAT/GAP
Start	3173	End	3654
GI	none	Score	932
Exons	3173..3654		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39465	Strand	-
Start	4007	End	10211
Name	OJ990726_14.9907.C5.o2.gs	Method	GENSCAN
Start	4007	End	10188
GI	none	Score	.83
Exons	4007..4146, 4502..4681, 4828..4910, 5713..6137, 6221..6970, 7778..8155, 9983..10052, 10130..10188		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39465	Strand	-
Start	4007	End	10211
Name	OJ990726_14.9907.C5.o1.np	Method	AAT/NAP
Start	5963	End	9363

GI	3252807	Score	522
Exons	5963..6137, 6221..6736, 6770..6970, 7778..8188, 9227..9363		
GI Descrip.	(AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39465	Strand	-
Start	4007	End	10211
Name	OJ990726_14.9907.C5.o3.gp	Method	AAT/GAP
Start	10005	End	10211
GI	none	Score	205
Exons	10005..10052, 10130..10211		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39466	Strand	-
Start	13250	End	23719
Name	OJ990726_14.9907.C5.o1.tm	Method	TBLASTX:Maize
Start	1455	End	3254
GI	none	Score	163
Exons	1455..1565, 1456..1563, 1792..1851, 1793..1849, 1865..2044, 1879..2043, 2920..3024, 2922..3041, 2927..3031, 3029..3253, 3030..3254		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39466	Strand	-
Start	13250	End	23719
Name	OJ990726_14.9907.C5.o3.tm	Method	TBLASTX:Maize
Start	5823	End	6141
GI	none	Score	43
Exons	5823..5900, 5848..5871, 5934..6140, 5982..6086, 5989..6141		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39466	Strand	-
Start	13250	End	23719
Name	OJ990726_14.9907.C5.o3.ts	Method	TBLASTX:Soybean
Start	5985	End	6382
GI	none	Score	79
Exons	5985..6143, 5989..6114, 6203..6382		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39466	Strand	-
Start	13250	End	23719
Name	OJ990726_14.9907.C5.o2.tc	Method	TBLASTX:Cress
Start	5997	End	6664
GI	none	Score	77
Exons	5997..6143, 6221..6388, 6434..6664		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39466	Strand	-
Start	13250	End	23719
Name	OJ990726_14.9907.C5.o1.ts	Method	TBLASTX:Soybean
Start	6470	End	8095
GI	none	Score	93
Exons	6470..6721, 6504..6698, 6767..6973, 6780..6821, 6871..6972, 6909..6974, 7775..7834, 7776..7817, 7838..8095, 7881..8090		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39466	Strand	-

Start	13250	End	23719
Name	OJ990726_14.9907.C5.o4.tm	Method	TBLASTX:Maize
Start	6666	End	7931
GI	none	Score	45
Exons	6666..6713, 6755..6967, 6759..6929, 6871..6960, 6935..6973, 6936..6971, 7775..7930, 7776..7931		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39466	Strand	-
Start	13250	End	23719
Name	OJ990726_14.9907.C5.o3.gs	Method	GENSCAN
Start	13250	End	23719
GI	none	Score	.48
Exons	13250..13414, 16383..16419, 16545..16719, 16887..17086, 17679..18094, 20251..20304, 22527..22773, 23661..23719		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39466	Strand	-
Start	13250	End	23719
Name	OJ990726_14.9907.C5.o2.np	Method	AAT/NAP
Start	16369	End	23538
GI	81286	Score	83
Exons	16369..16774, 17445..17505, 17775..17867, 23507..23538		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39467	Strand	
Start	25341	End	25742
Name	OJ990726_14.9907.C5.o2.tw	Method	TBLASTX:Wheat
Start	25341	End	25742
GI	none	Score	93
Exons	25341..25493, 25360..25479, 25476..25727, 25484..25726, 25485..25742, 25495..25737		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39468	Strand	
Start	25659	End	26512
Name	OJ990726_14.9907.C5.o2.ts	Method	TBLASTX:Soybean
Start	25659	End	26086
GI	none	Score	84
Exons	25659..25733, 25734..25796, 25844..26086, 25844..26068		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39468	Strand	
Start	25659	End	26512
Name	OJ990726_14.9907.C5.o1.tc	Method	TBLASTX:Cress
Start	25844	End	26167
GI	none	Score	275
Exons	25844..26167, 25855..25971, 26038..26148		

Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39468	Strand	
Start	25659	End	26512
Name	OJ990726_14.9907.C5.o1.tw	Method	TBLASTX:Wheat
Start	25955	End	26296
GI	none	Score	400

Exons	25955..26296, 25955..26296		
Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39468	Strand	
Start	25659	End	26512
Name	OJ990726_14.9907.C5.o2.tm	Method	TBLASTX:Maize
Start	26000	End	26458
GI	none	Score	241
Exons	26000..26254, 26012..26254, 26264..26458		
Seq. No.	18807	Seq. ID	OJ990726_14.9907.C5
Gene No.	39468	Strand	
Start	25659	End	26512
Name	OJ990726_14.9907.C5.o4.ts	Method	TBLASTX:Soybean
Start	26288	End	26512
GI	none	Score	189
Exons	26288..26512		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39469	Strand	+
Start	3151	End	3505
Name	OJ990726_14.9907.C6.o1.gp	Method	AAT/GAP
Start	3151	End	3505
GI	none	Score	581
Exons	3151..3505		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39470	Strand	+
Start	5521	End	6655
Name	OJ990726_14.9907.C6.o3.gs	Method	GENSCAN
Start	5521	End	6655
GI	none	Score	.7
Exons	5521..5697, 5796..6066, 6097..6394, 6421..6655		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39471	Strand	-
Start	1	End	2045
Name	OJ990726_14.9907.C6.o1.np	Method	AAT/NAP
Start	1	End	2045
GI	4680179	Score	318
Exons	1..23, 172..780, 2021..2045		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39471	Strand	-
Start	1	End	2045
Name	OJ990726_14.9907.C6.o1.gs	Method	GENSCAN
Start	244	End	1024
GI	none	Score	.75
Exons	244..1024		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39471	Strand	-
Start	1	End	2045
Name	OJ990726_14.9907.C6.o2.gs	Method	GENSCAN
Start	1411	End	1977
GI	none	Score	.61

Exons	1411..1977		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39472	Strand	-
Start	4833	End	6412
Name	OJ990726_14.9907.C6.o2.gp	Method	AAT/GAP
Start	4833	End	6412
GI	none	Score	922
Exons	4833..4899, 5805..5906, 5985..6231, 6318..6412		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o7.tw	Method	TBLASTX:Wheat
Start	419	End	11262
GI	none	Score	138
Exons	419..775, 458..748, 11123..11197, 11179..11262		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o2.np	Method	AAT/NAP
Start	7184	End	11266
GI	4680179	Score	4037
Exons	7184..10594, 10691..11266		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o4.gs	Method	GENSCAN
Start	7214	End	11161
GI	none	Score	.98
Exons	7214..11161		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o6.tw	Method	TBLASTX:Wheat
Start	7223	End	7559
GI	none	Score	69
Exons	7223..7558, 7244..7387, 7359..7559		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o1.tm	Method	TBLASTX:Maize
Start	7412	End	8006
GI	none	Score	244
Exons	7412..7846, 7422..7832, 7562..7858, 7840..7995, 7844..8005, 7847..7996, 7863..8006		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o1.tw	Method	TBLASTX:Wheat
Start	7559	End	8185

GI	none	Score	165
Exons	7559..8185, 7560..7826, 7562..8065, 7863..8183		

Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o4.tm	Method	TBLASTX:Maize
Start	8054	End	8345
GI	none	Score	230
Exons	8054..8344, 8058..8345		

Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o2.ts	Method	TBLASTX:Soybean
Start	8144	End	8404
GI	none	Score	130
Exons	8144..8404, 8153..8341		

Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o4.tw	Method	TBLASTX:Wheat
Start	8192	End	8671
GI	none	Score	196
Exons	8192..8671, 8196..8474		

Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o2.tw	Method	TBLASTX:Wheat
Start	8675	End	9184
GI	none	Score	295
Exons	8675..9184, 8748..9143		

Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o2.tm	Method	TBLASTX:Maize
Start	8757	End	9113
GI	none	Score	200
Exons	8757..9113, 8759..9112		

Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o3.ts	Method	TBLASTX:Soybean
Start	8933	End	9175
GI	none	Score	207
Exons	8933..9175		

Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o5.tm	Method	TBLASTX:Maize
Start	9119	End	9466
GI	none	Score	85

Exons	9119..9466, 9186..9434		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o5.tw	Method	TBLASTX:Wheat
Start	9186	End	9487
GI	none	Score	208
Exons	9186..9443, 9188..9487, 9388..9486		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o1.ts	Method	TBLASTX:Soybean
Start	9200	End	9595
GI	none	Score	193
Exons	9200..9559, 9201..9494, 9563..9595		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o3.tm	Method	TBLASTX:Maize
Start	9482	End	9949
GI	none	Score	66
Exons	9482..9949, 9771..9878		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o3.tw	Method	TBLASTX:Wheat
Start	9536	End	10018
GI	none	Score	293
Exons	9536..10018, 9564..9950, 9602..9985		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o1.tc	Method	TBLASTX:Cress
Start	9572	End	9889
GI	none	Score	192
Exons	9572..9889		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o6.tm	Method	TBLASTX:Maize
Start	9953	End	10108
GI	none	Score	142
Exons	9953..10108, 9969..10106		
Seq. No.	18808	Seq. ID	OJ990726_14.9907.C6
Gene No.	39473	Strand	-
Start	7214	End	11266
Name	OJ990726_14.9907.C6.o8.tw	Method	TBLASTX:Wheat
Start	10148	End	10567
GI	none	Score	92
Exons	10148..10333, 10200..10307, 10346..10567, 10418..10480,		

10443..10550

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39474	Strand	+
Start	1	End	3118
Name	OJ990726_14.9907.C7.o1.np	Method	AAT/NAP
Start	1	End	1557
GI	6742729	Score	1646
Exons	1..29, 414..1557		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39474	Strand	+
Start	1	End	3118
Name	OJ990726_14.9907.C7.o1.gs	Method	GENSCAN
Start	532	End	3118
GI	none	Score	.64
Exons	532..677, 809..943, 1124..1780, 1844..2039, 2828..2918, 3001..3118		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39475	Strand	+
Start	4244	End	10386
Name	OJ990726_14.9907.C7.o3.np	Method	AAT/NAP
Start	4244	End	10386
GI	4680204	Score	970
Exons	4244..5635, 5727..6829, 6918..7091, 7181..7291, 7393..7465, 7759..7879, 10343..10386		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39476	Strand	+
Start	16279	End	19089
Name	OJ990726_14.9907.C7.o5.np	Method	AAT/NAP
Start	16279	End	19089
GI	5917664	Score	175
Exons	16279..16428, 18447..19089		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39477	Strand	-
Start	7975	End	8204
Name	OJ990726_14.9907.C7.o1.gp	Method	AAT/GAP
Start	7975	End	8204
GI	LIB3477-003-P1-K1-E9	Score	150
Exons	7975..7999, 8120..8204		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39478	Strand	-
Start	12770	End	18812
Name	OJ990726_14.9907.C7.o4.tw	Method	TBLASTX:Wheat
Start	443	End	715
GI	none	Score	203
Exons	443..577, 444..638, 444..581, 636..689, 640..714, 641..715		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39478	Strand	-
Start	12770	End	18812
Name	OJ990726_14.9907.C7.o1.tm	Method	TBLASTX:Maize
Start	644	End	1116
GI	none	Score	189
Exons	644..988, 982..1116		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39478	Strand	-
Start	12770	End	18812
Name	OJ990726_14.9907.C7.o1.tw	Method	TBLASTX:Wheat
Start	716	End	2041
GI	none	Score	306
Exons	716..910, 730..990, 731..988, 960..1142, 979..1143, 990..1154, 1147..1626, 1190..1642, 1635..1682, 1637..1678, 1684..1797, 1688..1747, 1726..1866, 1727..1855, 1756..1875, 1757..1873, 1879..1917, 1880..1960, 1949..2041, 1953..2039, 1975..2040		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39478	Strand	-
Start	12770	End	18812
Name	OJ990726_14.9907.C7.o1.tc	Method	TBLASTX:Cress
Start	1014	End	1459
GI	none	Score	173
Exons	1014..1142, 1018..1143, 1023..1154, 1147..1455, 1190..1459, 1310..1459		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39478	Strand	-
Start	12770	End	18812
Name	OJ990726_14.9907.C7.o2.tw	Method	TBLASTX:Wheat
Start	4844	End	5245
GI	none	Score	203
Exons	4844..5080, 4844..5038, 4903..5085, 5075..5245, 5128..5244, 5141..5245		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39478	Strand	-
Start	12770	End	18812
Name	OJ990726_14.9907.C7.o4.np	Method	AAT/NAP
Start	12770	End	18812
GI	4680179	Score	696
Exons	12770..12805, 17092..18094, 18730..18812		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39478	Strand	-
Start	12770	End	18812
Name	OJ990726_14.9907.C7.o2.tm	Method	TBLASTX:Maize
Start	17401	End	17694
GI	none	Score	51
Exons	17401..17466, 17431..17694, 17513..17671		

Seq. No.	18809	Seq. ID	OJ990726_14.9907.C7
Gene No.	39478	Strand	-

Start	12770	End	18812
Name	OJ990726_14.9907.C7.o3.tw	Method	TBLASTX:Wheat
Start	17575	End	17931
GI	none	Score	70
Exons	17575..17931, 17576..17716, 17587..17724, 17758..17886, 17831..17905		

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39479	Strand	+
Start	154	End	873
Name	OJ990726_14.9907.C8.o1.gs	Method	GENSCAN
Start	154	End	873
GI	none	Score	.86
Exons	154..208, 364..466, 753..873		

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39480	Strand	+
Start	1373	End	5242
Name	OJ990726_14.9907.C8.o2.gs	Method	GENSCAN
Start	1373	End	5242
GI	none	Score	.53
Exons	1373..1502, 1972..2102, 3513..3642, 4926..4972, 5201..5242		

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39480	Strand	+
Start	1373	End	5242
Name	OJ990726_14.9907.C8.o2.np	Method	AAT/NAP
Start	3244	End	4704
GI	5852180	Score	59
Exons	3244..3332, 4669..4704		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39480	Strand	+
Start	1373	End	5242
Name	OJ990726_14.9907.C8.o1.gp	Method	AAT/GAP
Start	3957	End	4203
GI	101153_1.R1084	Score	337
Exons	3957..4203		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39481	Strand	+
Start	6627	End	8939
Name	OJ990726_14.9907.C8.o3.gs	Method	GENSCAN
Start	6627	End	8939
GI	none	Score	.63
Exons	6627..6652, 7737..7810, 8099..8220, 8877..8939		

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39482	Strand	-
Start	1	End	8905
Name	OJ990726_14.9907.C8.o3.np	Method	AAT/NAP
Start	1	End	8905
GI	5852175	Score	62
Exons	1..19, 2301..2353, 3491..3599, 4169..4211, 8857..8905		

GI Descrip. (AL117265) zhb0005.1 [Oryza sativa]

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39482	Strand	-
Start	1	End	8905
Name	OJ990726_14.9907.C8.o1.np	Method	AAT/NAP
Start	1252	End	5301
GI	4680183	Score	119
Exons	1252..1367, 5278..5301		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39482	Strand	-
Start	1	End	8905
Name	OJ990726_14.9907.C8.o1.tm	Method	TBLASTX:Maize
Start	5871	End	6346
GI	none	Score	109
Exons	5871..5972, 5871..5972, 5876..5992, 5878..5973, 5927..6058, 5967..6062, 5968..6066, 5971..6057, 6077..6112, 6077..6127, 6269..6346, 6277..6345		

Seq. No.	18810	Seq. ID	OJ990726_14.9907.C8
Gene No.	39482	Strand	-
Start	1	End	8905
Name	OJ990726_14.9907.C8.o2.tm	Method	TBLASTX:Maize
Start	8518	End	8873
GI	none	Score	100
Exons	8518..8583, 8523..8585, 8523..8588, 8697..8768, 8702..8767, 8769..8873, 8771..8809, 8804..8851		

Seq. No.	18811	Seq. ID	OJ990506_04.9924.C1
Gene No.	39483	Strand	+
Start	233	End	301
Name	OJ990506_04.9924.C1.o1.gp	Method	AAT/GAP
Start	233	End	301
GI	LIB3431-004-P1-K1-G12	Score	95
Exons	233..301		

GI Descrip. '4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'

Seq. No.	18811	Seq. ID	OJ990506_04.9924.C1
Gene No.	39484	Strand	+
Start	469	End	1012
Name	OJ990506_04.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	439	End	609
GI	none	Score	190
Exons	439..606, 466..609, 468..608		

Seq. No.	18811	Seq. ID	OJ990506_04.9924.C1
Gene No.	39484	Strand	+
Start	469	End	1012
Name	OJ990506_04.9924.C1.o1.gs	Method	GENSCAN
Start	469	End	943
GI	none	Score	.78
Exons	469..687, 780..943		

Seq. No.	18811	Seq. ID	OJ990506_04.9924.C1

Gene No.	39484	Strand	+
Start	469	End	1012
Name	OJ990506_04.9924.C1.o1.np	Method	AAT/NAP
Start	469	End	1012
GI	3894317	Score	100
Exons	469..676, 780..1012		
GI Descrip.	(AB019243) Dihydrofravonol 4-reductase [Ipomoea batatas]		

Seq. No.	18812	Seq. ID	OJ990506_04.9924.C2
Gene No.	39485	Strand	-
Start	1	End	597
Name	OJ990506_04.9924.C2.o1.np	Method	AAT/NAP
Start	1	End	597
GI	3668115	Score	93
Exons	1..60, 465..597		
GI Descrip.	(Y15069) cinnamoyl-CoA reductase [Zea mays]		

Seq. No.	18812	Seq. ID	OJ990506_04.9924.C2
Gene No.	39485	Strand	-
Start	1	End	597
Name	OJ990506_04.9924.C2.o1.gs	Method	GENSCAN
Start	207	End	585
GI	none	Score	.42
Exons	207..262, 465..585		

Seq. No.	18813	Seq. ID	OJ990506_04.9924.C3
Gene No.	39486	Strand	+
Start	380	End	420
Name	OJ990506_04.9924.C3.o1.gs	Method	GENSCAN
Start	380	End	420
GI	none	Score	.75
Exons	380..420		

Seq. No.	18814	Seq. ID	OJ990506_04.9924.C4
Gene No.	39487	Strand	+
Start	1	End	1087
Name	OJ990506_04.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	1087
GI	4115525	Score	238
Exons	1..121, 488..650, 764..1087		
GI Descrip.	(AB011667) dihydroflavonol 4-reductase [Ipomoea purpurea]		

Seq. No.	18814	Seq. ID	OJ990506_04.9924.C4
Gene No.	39487	Strand	+
Start	1	End	1087
Name	OJ990506_04.9924.C4.o1.gp	Method	AAT/GAP
Start	48	End	865
GI	17023_1.R1084	Score	535
Exons	48..117, 484..650, 764..865		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	18814	Seq. ID	OJ990506_04.9924.C4
Gene No.	39487	Strand	+
Start	1	End	1087
Name	OJ990506_04.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	48	End	876

GI	none	Score	104
Exons	48..116, 50..121, 50..115, 453..632, 476..658, 483..626, 484..642, 761..874, 781..876, 793..876		

Seq. No.	18814	Seq. ID	OJ990506_04.9924.C4
Gene No.	39487	Strand	+
Start	1	End	1087
Name	OJ990506_04.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	48	End	892
GI	none	Score	79
Exons	48..116, 495..650, 761..892		

Seq. No.	18814	Seq. ID	OJ990506_04.9924.C4
Gene No.	39487	Strand	+
Start	1	End	1087
Name	OJ990506_04.9924.C4.o1.gs	Method	GENSCAN
Start	69	End	964
GI	none	Score	.92
Exons	69..117, 484..650, 764..964		

Seq. No.	18814	Seq. ID	OJ990506_04.9924.C4
Gene No.	39487	Strand	+
Start	1	End	1087
Name	OJ990506_04.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	525	End	901
GI	none	Score	177
Exons	525..650, 525..650, 761..901, 763..882		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39488	Strand	+
Start	404	End	7432
Name	OJ990506_04.9924.C5.o1.np	Method	AAT/NAP
Start	404	End	1351
GI	6689826	Score	247
Exons	404..564, 864..1098, 1198..1351		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39488	Strand	+
Start	404	End	7432
Name	OJ990506_04.9924.C5.o1.gs	Method	GENSCAN
Start	468	End	7055
GI	none	Score	.92
Exons	468..564, 864..1101, 1198..1311, 1993..2117, 4085..4270, 4712..4878, 5055..5258, 5387..5546, 5703..5916, 6031..6144, 6324..6345, 6921..7055		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39488	Strand	+
Start	404	End	7432
Name	OJ990506_04.9924.C5.o2.np	Method	AAT/NAP
Start	4153	End	7432
GI	5732928	Score	430
Exons	4153..4270, 4712..4878, 5055..5258, 5387..5558, 5733..5906, 6024..6144, 7391..7432		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39488	Strand	+
Start	404	End	7432
Name	OJ990506_04.9924.C5.o1.gp	Method	AAT/GAP
Start	5809	End	6167
GI	2797550	Score	444
Exons	5809..5916, 6031..6167		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o2.ts	Method	TBLASTX:Soybean
Start	896	End	6109
GI	none	Score	80
Exons	896..961, 1010..1099, 1199..1276, 5744..5917, 5746..5913, 6032..6109, 6034..6108		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o4.tm	Method	TBLASTX:Maize
Start	4164	End	5132
GI	none	Score	165
Exons	4164..4277, 4165..4278, 4690..4878, 4695..4880, 4711..4878, 4712..4879, 5052..5132, 5057..5131		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o8.tw	Method	TBLASTX:Wheat
Start	4182	End	5170
GI	none	Score	126
Exons	4182..4274, 4183..4275, 4711..4875, 4711..4860, 5021..5059, 5052..5165, 5052..5165, 5063..5170		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o2.gs	Method	GENSCAN
Start	7890	End	14640
GI	none	Score	.44
Exons	7890..7946, 8306..8410, 8467..10347, 10454..10831, 10910..11092, 11111..13054, 13060..14184, 14194..14640		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o3.np	Method	AAT/NAP
Start	8990	End	14637
GI	6498441	Score	6825
Exons	8990..10054, 10385..10846, 10910..11283, 11467..11601, 11776..12202, 12395..12691, 12863..14262, 14356..14637		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o6.tw	Method	TBLASTX:Wheat
Start	9139	End	9531
GI	none	Score	58
Exons	9139..9186, 9193..9291, 9198..9290, 9258..9497, 9274..9531		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o5.tm	Method	TBLASTX:Maize
Start	9144	End	9429
GI	none	Score	196
Exons	9144..9428, 9181..9429		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o4.tw	Method	TBLASTX:Wheat
Start	10269	End	10726
GI	none	Score	112
Exons	10269..10400, 10270..10401, 10462..10722, 10463..10726, 10487..10726		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	10917	End	11380
GI	none	Score	202
Exons	10917..11360, 10918..11373, 10919..11380, 10919..11374		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o3.ts	Method	TBLASTX:Soybean
Start	10958	End	11323
GI	none	Score	111
Exons	10958..11182, 11189..11323		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	11048	End	11404
GI	none	Score	383
Exons	11048..11404, 11083..11394, 11099..11404		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	11431	End	11815
GI	none	Score	357
Exons	11431..11796, 11432..11815		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o2.tw	Method	TBLASTX:Wheat
Start	11488	End	11908
GI	none	Score	491
Exons	11488..11901, 11489..11908		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	11567	End	11938
GI	none	Score	277
Exons	11567..11938, 11584..11727		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o5.tw	Method	TBLASTX:Wheat
Start	12435	End	12997
GI	none	Score	233
Exons	12435..12455, 12563..12787, 12578..12787, 12628..12813, 12848..12997, 12857..12994, 12859..12996		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o3.tm	Method	TBLASTX:Maize
Start	13507	End	13830
GI	none	Score	354
Exons	13507..13830, 13536..13817		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o3.tw	Method	TBLASTX:Wheat
Start	13644	End	14025
GI	none	Score	375
Exons	13644..13700, 13645..14025, 13645..13986, 13746..13994		

Seq. No.	18815	Seq. ID	OJ990506_04.9924.C5
Gene No.	39489	Strand	+
Start	7890	End	14640
Name	OJ990506_04.9924.C5.o7.tw	Method	TBLASTX:Wheat
Start	14026	End	14628
GI	none	Score	253
Exons	14026..14328, 14031..14309, 14502..14624, 14503..14628		

Seq. No.	18816	Seq. ID	OJ990506_04.9924.C6
Gene No.	39490	Strand	+
Start	1	End	637
Name	OJ990506_04.9924.C6.o1.np	Method	AAT/NAP
Start	1	End	637
GI	6498441	Score	930
Exons	1..637		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the		

predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	18816	Seq. ID	OJ990506_04.9924.C6
Gene No.	39490	Strand	+
Start	1	End	637
Name	OJ990506_04.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	9	End	312
GI	none	Score	184
Exons	9..98, 52..312		

Seq. No.	18816	Seq. ID	OJ990506_04.9924.C6
Gene No.	39490	Strand	+
Start	1	End	637
Name	OJ990506_04.9924.C6.o1.gs	Method	GENSCAN
Start	59	End	501
GI	none	Score	.74
Exons	59..501		

Seq. No.	18817	Seq. ID	OJ990506_04.9924.C7
Gene No.	39491	Strand	-
Start	218	End	314
Name	OJ990506_04.9924.C7.o1.gs	Method	GENSCAN
Start	218	End	314
GI	none	Score	.91
Exons	218..314		

Seq. No.	18818	Seq. ID	OJ990506_04.9924.C8
Gene No.	39492	Strand	-
Start	465	End	528
Name	OJ990506_04.9924.C8.o1.gs	Method	GENSCAN
Start	465	End	528
GI	none	Score	.51
Exons	465..528		

Seq. No.	18819	Seq. ID	OJ990506_04.9924.C9
Gene No.	39493	Strand	-
Start	1	End	425
Name	OJ990506_04.9924.C9.o1.np	Method	AAT/NAP
Start	1	End	397
GI	5262763	Score	209
Exons	1..113, 245..397		
GI Descrip.	(AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	18819	Seq. ID	OJ990506_04.9924.C9
Gene No.	39493	Strand	-
Start	1	End	425
Name	OJ990506_04.9924.C9.o1.gs	Method	GENSCAN
Start	245	End	337
GI	none	Score	.46
Exons	245..337		

Seq. No.	18819	Seq. ID	OJ990506_04.9924.C9
Gene No.	39493	Strand	-
Start	1	End	425
Name	OJ990506_04.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	252	End	425

GI	none	Score	51
Exons	252..332, 254..424, 381..425		

Seq. No.	18820	Seq. ID	OJ990506_04.9924.C10
Gene No.	39494	Strand	-
Start	404	End	476
Name	OJ990506_04.9924.C10.o1.gp	Method	AAT/GAP
Start	404	End	476
GI	LIB3431-004-P1-K1-G12	Score	96
Exons	404..476		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	18821	Seq. ID	OJ990506_04.9924.C11
Gene No.	39495	Strand	+
Start	81	End	582
Name	OJ990506_04.9924.C11.o1.gs	Method	GENSCAN
Start	81	End	582
GI	none	Score	.63
Exons	81..582		

Seq. No.	18821	Seq. ID	OJ990506_04.9924.C11
Gene No.	39496	Strand	-
Start	1	End	651
Name	OJ990506_04.9924.C11.o1.np	Method	AAT/NAP
Start	1	End	651
GI	3342234	Score	106
Exons	1..354, 408..651		
GI Descrip.	(U93909) nuclear antigen EBNA-1 [Cercopithecine herpesvirus 15]		

Seq. No.	18822	Seq. ID	OJ990506_04.9924.C12
Gene No.	39497	Strand	-
Start	1	End	345
Name	OJ990506_04.9924.C12.o1.np	Method	AAT/NAP
Start	1	End	345
GI	6907089	Score	484
Exons	1..345		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18822	Seq. ID	OJ990506_04.9924.C12
Gene No.	39497	Strand	-
Start	1	End	345
Name	OJ990506_04.9924.C12.o1.gs	Method	GENSCAN
Start	58	End	325
GI	none	Score	.96
Exons	58..325		

Seq. No.	18823	Seq. ID	OJ990506_04.9924.C13
Gene No.	39498	Strand	-
Start	1	End	907
Name	OJ990506_04.9924.C13.o1.np	Method	AAT/NAP
Start	1	End	907
GI	1170619	Score	299
Exons	1..216, 299..373, 449..654, 745..907		
GI Descrip.	KINESIN-LIKE PROTEIN A gi|479594|pir||S34830 kinesin-related protein katA - Arabidopsis thaliana gi|303502|dbj|BAA01972| (D11371) kinesin-like motor protein heavy chain [Arabidopsis		

thaliana] gi|2911084|emb|CAA17546.1| (AL021960) kinesin-related protein katA [Arabidopsis thaliana]

Seq. No.	18823	Seq. ID	OJ990506_04.9924.C13
Gene No.	39498	Strand	-
Start	1	End	907
Name	OJ990506_04.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	65	End	907
GI	none	Score	59
Exons	65..214, 85..219, 300..374, 449..652, 746..907, 810..905		

Seq. No.	18823	Seq. ID	OJ990506_04.9924.C13
Gene No.	39498	Strand	-
Start	1	End	907
Name	OJ990506_04.9924.C13.o1.gs	Method	GENSCAN
Start	67	End	814
GI	none	Score	.78
Exons	67..216, 299..373, 449..658, 749..814		

Seq. No.	18823	Seq. ID	OJ990506_04.9924.C13
Gene No.	39498	Strand	-
Start	1	End	907
Name	OJ990506_04.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	84	End	907
GI	none	Score	118
Exons	84..116, 115..222, 116..217, 270..374, 312..374, 316..378, 343..384, 395..652, 447..653, 449..679, 478..696, 743..907, 752..904		

Seq. No.	18824	Seq. ID	OJ990506_04.9924.C14
Gene No.	39499	Strand	+
Start	1	End	582
Name	OJ990506_04.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	582
GI	5902445	Score	617
Exons	1..582		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	18824	Seq. ID	OJ990506_04.9924.C14
Gene No.	39499	Strand	+
Start	1	End	582
Name	OJ990506_04.9924.C14.o1.gs	Method	GENSCAN
Start	2	End	538
GI	none	Score	.63
Exons	2..538		

Seq. No.	18824	Seq. ID	OJ990506_04.9924.C14
Gene No.	39499	Strand	+
Start	1	End	582
Name	OJ990506_04.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	97	End	481
GI	none	Score	357
Exons	97..462, 98..481		

Seq. No.	18824	Seq. ID	OJ990506_04.9924.C14
Gene No.	39499	Strand	+
Start	1	End	582

Name	OJ990506_04.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	154	End	579
GI	none	Score	491
Exons	154..579, 155..574		

Seq. No.	18824	Seq. ID	OJ990506_04.9924.C14
Gene No.	39499	Strand	+
Start	1	End	582
Name	OJ990506_04.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	233	End	574
GI	none	Score	256
Exons	233..574, 250..393		

Seq. No.	18825	Seq. ID	OJ990506_04.9924.C15
Gene No.	39500	Strand	-
Start	40	End	733
Name	OJ990506_04.9924.C15.o1.gs	Method	GENSCAN
Start	40	End	733
GI	none	Score	.75
Exons	40..92, 476..733		

Seq. No.	18826	Seq. ID	OJ990506_04.9924.C16
Gene No.	39501	Strand	+
Start	1	End	945
Name	OJ990506_04.9924.C16.o1.np	Method	AAT/NAP
Start	1	End	945
GI	6689826	Score	191
Exons	1..49, 163..363, 910..945		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	18826	Seq. ID	OJ990506_04.9924.C16
Gene No.	39501	Strand	+
Start	1	End	945
Name	OJ990506_04.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	300
GI	none	Score	58
Exons	1..48, 2..49, 160..300, 162..281		

Seq. No.	18826	Seq. ID	OJ990506_04.9924.C16
Gene No.	39501	Strand	+
Start	1	End	945
Name	OJ990506_04.9924.C16.o1.gs	Method	GENSCAN
Start	163	End	363
GI	none	Score	.44
Exons	163..363		

Seq. No.	18827	Seq. ID	OJ990506_04.9924.C17
Gene No.	39502	Strand	+
Start	22	End	589
Name	OJ990506_04.9924.C17.o1.np	Method	AAT/NAP
Start	22	End	589
GI	2239260	Score	77
Exons	22..218, 502..589		
GI Descrip.	(Y13734) cinnamoyl CoA reductase [Zea mays]		

Seq. No.	18827	Seq. ID	OJ990506_04.9924.C17
Gene No.	39502	Strand	+

Start	22	End	589
Name	OJ990506_04.9924.C17.o1.gs	Method	GENSCAN
Start	91	End	213
GI	none	Score	.99
Exons	91..213		

Seq. No.	18828	Seq. ID	OJ990506_04.9924.C20
Gene No.	39503	Strand	+
Start	175	End	682
Name	OJ990506_04.9924.C20.o1.gs	Method	GENSCAN
Start	175	End	682
GI	none	Score	.96
Exons	175..446, 529..682		

Seq. No.	18828	Seq. ID	OJ990506_04.9924.C20
Gene No.	39503	Strand	+
Start	175	End	682
Name	OJ990506_04.9924.C20.o1.np	Method	AAT/NAP
Start	235	End	682
GI	4508073	Score	144
Exons	235..465, 554..682		
GI Descrip.	(AC005882) 43220 [Arabidopsis thaliana]		

Seq. No.	18829	Seq. ID	OJ990506_04.9924.C21
Gene No.	39504	Strand	-
Start	1	End	958
Name	OJ990506_04.9924.C21.o1.np	Method	AAT/NAP
Start	1	End	958
GI	4680179	Score	1470
Exons	1..958		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18829	Seq. ID	OJ990506_04.9924.C21
Gene No.	39504	Strand	-
Start	1	End	958
Name	OJ990506_04.9924.C21.o2.tm	Method	TBLASTX:Maize
Start	56	End	316
GI	none	Score	97
Exons	56..316, 56..283		

Seq. No.	18829	Seq. ID	OJ990506_04.9924.C21
Gene No.	39504	Strand	-
Start	1	End	958
Name	OJ990506_04.9924.C21.o2.tw	Method	TBLASTX:Wheat
Start	56	End	412
GI	none	Score	138
Exons	56..379, 56..412		

Seq. No.	18829	Seq. ID	OJ990506_04.9924.C21
Gene No.	39504	Strand	-
Start	1	End	958
Name	OJ990506_04.9924.C21.o1.gs	Method	GENSCAN
Start	132	End	799
GI	none	Score	.89
Exons	132..799		

Seq. No.	18829	Seq. ID	OJ990506_04.9924.C21

Gene No.	39504	Strand	-
Start	1	End	958
Name	OJ990506_04.9924.C21.o1.tw	Method	TBLASTX:Wheat
Start	416	End	925
GI	none	Score	244
Exons	416..925, 503..883, 507..917		

Seq. No.	18829	Seq. ID	OJ990506_04.9924.C21
Gene No.	39504	Strand	-
Start	1	End	958
Name	OJ990506_04.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	490	End	853
GI	none	Score	238
Exons	490..813, 500..853, 507..851		

Seq. No.	18829	Seq. ID	OJ990506_04.9924.C21
Gene No.	39504	Strand	-
Start	1	End	958
Name	OJ990506_04.9924.C21.o1.ts	Method	TBLASTX:Soybean
Start	674	End	919
GI	none	Score	192
Exons	674..919		

Seq. No.	18830	Seq. ID	OJ990506_04.9924.C22
Gene No.	39505	Strand	-
Start	449	End	584
Name	OJ990506_04.9924.C22.o1.gs	Method	GENSCAN
Start	449	End	584
GI	none	Score	.44
Exons	449..584		

Seq. No.	18831	Seq. ID	OJ990506_04.9924.C23
Gene No.	39506	Strand	-
Start	1573	End	2706
Name	OJ990506_04.9924.C23.o1.gs	Method	GENSCAN
Start	1573	End	2706
GI	none	Score	.99
Exons	1573..2706		

Seq. No.	18832	Seq. ID	OJ990506_04.9924.C24
Gene No.	39507	Strand	+
Start	4676	End	6073
Name	OJ990506_04.9924.C24.o2.gs	Method	GENSCAN
Start	4676	End	6073
GI	none	Score	.67
Exons	4676..4812, 5468..5584, 5590..6073		

Seq. No.	18832	Seq. ID	OJ990506_04.9924.C24
Gene No.	39508	Strand	-
Start	511	End	6942
Name	OJ990506_04.9924.C24.o1.gs	Method	GENSCAN
Start	511	End	3547
GI	none	Score	.85
Exons	511..2413, 2511..3547		

Seq. No.	18832	Seq. ID	OJ990506_04.9924.C24
Gene No.	39508	Strand	-

Start	511	End	6942
Name	OJ990506_04.9924.C24.o1.np	Method	AAT/NAP
Start	514	End	6942
GI	5803259	Score	4750
Exons	514..2413, 2511..3618, 6789..6942		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	18832	Seq. ID	OJ990506_04.9924.C24
Gene No.	39508	Strand	-
Start	511	End	6942
Name	OJ990506_04.9924.C24.o1.gp	Method	AAT/GAP
Start	4333	End	4716
GI	uC-osflcyp033a04b1	Score	669
Exons	4333..4716		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18832	Seq. ID	OJ990506_04.9924.C24
Gene No.	39508	Strand	-
Start	511	End	6942
Name	OJ990506_04.9924.C24.o3.gs	Method	GENSCAN
Start	6694	End	6942
GI	none	Score	.63
Exons	6694..6942		

Seq. No.	18833	Seq. ID	OJ990506_04.9924.C25
Gene No.	39509	Strand	-
Start	1073	End	1661
Name	OJ990506_04.9924.C25.o1.np	Method	AAT/NAP
Start	1073	End	1661
GI	5295955	Score	240
Exons	1073..1661		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o1.np	Method	AAT/NAP
Start	2588	End	5630
GI	6721517	Score	3687
Exons	2588..2669, 2707..2829, 2888..3664, 3713..5630		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o4.tw	Method	TBLASTX:Wheat
Start	2801	End	3181
GI	none	Score	304
Exons	2801..3181, 2821..3180		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o4.tm	Method	TBLASTX:Maize
Start	3062	End	3394

GI	none	Score	226
Exons	3062..3394, 3085..3249		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o5.tw	Method	TBLASTX:Wheat
Start	3722	End	4123
GI	none	Score	150
Exons	3722..3946, 3736..3888, 3950..4123, 3983..4042, 4024..4092		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o5.tm	Method	TBLASTX:Maize
Start	3760	End	4036
GI	none	Score	195
Exons	3760..3861, 3761..4036		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o2.tw	Method	TBLASTX:Wheat
Start	4298	End	4780
GI	none	Score	546
Exons	4298..4780, 4402..4737		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o3.tm	Method	TBLASTX:Maize
Start	4310	End	4599
GI	none	Score	322
Exons	4310..4597, 4408..4599		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o3.ts	Method	TBLASTX:Soybean
Start	4334	End	4648
GI	none	Score	183
Exons	4334..4648, 4450..4647		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o2.tm	Method	TBLASTX:Maize
Start	4667	End	5167
GI	none	Score	157
Exons	4667..4846, 4832..5167, 4918..5049, 5074..5121		

Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o1.ts	Method	TBLASTX:Soybean
Start	4721	End	5116
GI	none	Score	57

Exons	4721..4753, 4723..4749, 4757..5116, 4764..4904, 4769..5086, 4849..5115		
Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o3.tw	Method	TBLASTX:Wheat
Start	4829	End	5131
GI	none	Score	396
Exons	4829..5131, 4830..4907, 4832..5122, 4858..5130		
Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o1.tw	Method	TBLASTX:Wheat
Start	5132	End	5557
GI	none	Score	609
Exons	5132..5557, 5140..5550, 5174..5554		
Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o2.ts	Method	TBLASTX:Soybean
Start	5138	End	5383
GI	none	Score	209
Exons	5138..5383		
Seq. No.	18834	Seq. ID	OJ990506_04.9924.C26
Gene No.	39510	Strand	+
Start	2588	End	5630
Name	OJ990506_04.9924.C26.o1.tm	Method	TBLASTX:Maize
Start	5204	End	5557
GI	none	Score	477
Exons	5204..5557, 5206..5550		
Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o1.np	Method	AAT/NAP
Start	1	End	1444
GI	4680179	Score	2433
Exons	1..1444		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o2.tw	Method	TBLASTX:Wheat
Start	1	End	433
GI	none	Score	538
Exons	1..126, 2..433, 2..397, 178..432		
Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o1.gs	Method	GENSCAN
Start	50	End	1447

GI	none	Score	.98
Exons	50..1447		

Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o1.tc	Method	TBLASTX:Cress
Start	140	End	457
GI	none	Score	90
Exons	140..313, 314..457, 316..456		

Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	221	End	481
GI	none	Score	300
Exons	221..481, 226..480		

Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o2.tm	Method	TBLASTX:Maize
Start	280	End	571
GI	none	Score	390
Exons	280..567, 281..571		

Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o1.tw	Method	TBLASTX:Wheat
Start	440	End	1066
GI	none	Score	729
Exons	440..1066, 442..1065		

Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	620	End	1207
GI	none	Score	226
Exons	620..781, 626..772, 628..774, 779..1207, 784..876, 946..1206		

Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o3.tw	Method	TBLASTX:Wheat
Start	1066	End	1399
GI	none	Score	366
Exons	1066..1398, 1067..1399		

Seq. No.	18835	Seq. ID	OJ990506_04.9924.C27
Gene No.	39511	Strand	+
Start	1	End	1452
Name	OJ990506_04.9924.C27.o3.tm	Method	TBLASTX:Maize
Start	1207	End	1452
GI	none	Score	206

Exons	1207..1329, 1208..1420, 1396..1452		
Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39512	Strand	+
Start	22	End	1407
Name	OJ990506_04.9924.C28.o1.gs	Method	GENSCAN
Start	22	End	1407
GI	none	Score	.89
Exons	22..101, 537..717, 1300..1407		
Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39513	Strand	+
Start	10329	End	10858
Name	OJ990506_04.9924.C28.o4.gs	Method	GENSCAN
Start	10329	End	10858
GI	none	Score	.96
Exons	10329..10716, 10839..10858		
Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39514	Strand	+
Start	18546	End	18710
Name	OJ990506_04.9924.C28.o7.gp	Method	AAT/GAP
Start	18546	End	18710
GI	7406_1.R1084	Score	225
Exons	18546..18710		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		
Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39515	Strand	-
Start	1	End	7783
Name	OJ990506_04.9924.C28.o1.gp	Method	AAT/GAP
Start	1	End	736
GI	17023_1.R1084	Score	645
Exons	1..124, 491..736		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		
Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39515	Strand	-
Start	1	End	7783
Name	OJ990506_04.9924.C28.o1.np	Method	AAT/NAP
Start	1	End	2632
GI	118467	Score	128
Exons	1..120, 487..590, 2579..2632		
GI Descrip.	DIHYDROFLAVONOL-4-REDUCTASE (DFR) (DIHYDROKAEMPFEROL 4-REDUCTASE) gi|100480|pir||S07464 dihydroflavonol-4-reductase (EC 1.-.-.-) - garden snapdragon gi|16027|emb|CAA33543| (X15536) dihydroflavonol-4-reductase (AA 1-446) [Antirrhinum majus]		
Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39515	Strand	-
Start	1	End	7783
Name	OJ990506_04.9924.C28.o2.gs	Method	GENSCAN
Start	2340	End	7714
GI	none	Score	.82
Exons	2340..2693, 2731..2787, 2822..2957, 3094..3229, 4738..4859,		

4960..5197, 5607..5766, 6631..6831, 7085..7222, 7592..7714

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39515	Strand	-
Start	1	End	7783
Name	OJ990506_04.9924.C28.o2.np	Method	AAT/NAP
Start	4639	End	7714
GI	2253113	Score	306
Exons	4639..4859, 4960..5197, 5607..5766, 6631..6831, 7085..7251, 7592..7714		
GI Descrip.	(AF007096) dihydroflavonol 4-reductase [Bromheadia finlaysoniana]		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39515	Strand	-
Start	1	End	7783
Name	OJ990506_04.9924.C28.o3.np	Method	AAT/NAP
Start	5653	End	7783
GI	2239260	Score	244
Exons	5653..5763, 6631..6827, 7093..7248, 7592..7783		
GI Descrip.	(Y13734) cinnamoyl CoA reductase [Zea mays]		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39516	Strand	-
Start	8947	End	9422
Name	OJ990506_04.9924.C28.o3.gs	Method	GENSCAN
Start	8947	End	9422
GI	none	Score	.41
Exons	8947..9164, 9191..9422		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39517	Strand	-
Start	10284	End	10792
Name	OJ990506_04.9924.C28.o3.gp	Method	AAT/GAP
Start	10284	End	10792
GI	LIB3432-015-P1-K1-B3	Score	779
Exons	10284..10385, 10416..10792		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39517	Strand	-
Start	10284	End	10792
Name	OJ990506_04.9924.C28.o4.np	Method	AAT/NAP
Start	10340	End	10493
GI	3894187	Score	98
Exons	10340..10493		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39518	Strand	-
Start	11875	End	18724
Name	OJ990506_04.9924.C28.o4.gp	Method	AAT/GAP
Start	11597	End	12050
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	11597..12050		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic		

DNA, chromosome 2, clone:P0437H03 (contig b)'

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39518	Strand	-
Start	11875	End	18724
Name	OJ990506_04.9924.C28.o5.gs	Method	GENSCAN
Start	11875	End	17825
GI	none	Score	.5
Exons	11875..12035, 12186..12388, 12393..12440, 12504..12635, 12882..12979, 13006..13131, 13224..13430, 13609..13860, 13951..14361, 14536..14782, 14888..15038, 15485..15774, 15975..17126, 17185..17825		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39518	Strand	-
Start	11875	End	18724
Name	OJ990506_04.9924.C28.o5.np	Method	AAT/NAP
Start	12154	End	17654
GI	5441880	Score	4703
Exons	12154..12388, 12504..12635, 12882..12979, 13224..13482, 13562..13860, 14446..14782, 14888..15038, 15599..15913, 16172..16203, 16648..17654		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39518	Strand	-
Start	11875	End	18724
Name	OJ990506_04.9924.C28.o5.gp	Method	AAT/GAP
Start	13232	End	13734
GI	LIB3475-007-P1-K1-G8	Score	794
Exons	13232..13482, 13562..13734		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39518	Strand	-
Start	11875	End	18724
Name	OJ990506_04.9924.C28.o6.gp	Method	AAT/GAP
Start	16618	End	17049
GI	5701669	Score	833
Exons	16618..17049		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39518	Strand	-
Start	11875	End	18724
Name	OJ990506_04.9924.C28.o6.np	Method	AAT/NAP
Start	17667	End	18724
GI	6721543	Score	162
Exons	17667..17783, 18596..18724		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o2.tw	Method	TBLASTX:Wheat
Start	1	End	22311
GI	none	Score	71
Exons	1..132, 2..124, 3..155, 3..125, 487..573, 492..575, 492..578, 493..579, 6718..6834, 6719..6874, 6721..6834, 7077..7259, 7109..7252, 7587..7640, 7588..7641, 7640..7681, 7641..7682, 21658..21747, 21660..21776, 21690..21776, 21890..22033, 21890..22033, 22218..22310, 22219..22311		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o2.tm	Method	TBLASTX:Maize
Start	3	End	22016
GI	none	Score	87
Exons	3..83, 3..83, 6694..6834, 6713..6832, 7085..7210, 7086..7205, 21653..21775, 21660..21776, 21690..21776, 21854..21991, 21890..21991, 21891..22004, 21986..22015, 21987..22016		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o1.tc	Method	TBLASTX:Cress
Start	6	End	22331
GI	none	Score	91
Exons	6..113, 492..620, 6703..6834, 7085..7240, 7086..7241, 21663..21776, 21878..22033, 22224..22331		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o2.ts	Method	TBLASTX:Soybean
Start	495	End	22323
GI	none	Score	84
Exons	495..584, 499..591, 5596..5766, 6631..6693, 6706..6825, 7085..7213, 7596..7637, 7643..7687, 21299..21466, 21573..21632, 21663..21776, 21890..21982, 22230..22319, 22231..22323		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o1.ts	Method	TBLASTX:Soybean
Start	4733	End	21141
GI	none	Score	97
Exons	4733..4858, 4962..5051, 5100..5165, 20817..20882, 20985..21140, 20989..21141		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o3.tm	Method	TBLASTX:Maize
Start	5005	End	21439
GI	none	Score	50
Exons	5005..5103, 5007..5051, 5097..5195, 5098..5202, 5100..5240,		

5579..5737, 5602..5739, 21021..21140, 21022..21129, 21042..21155, 21052..21198, 21144..21197, 21299..21439, 21300..21437

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o1.tw	Method	TBLASTX:Wheat
Start	16418	End	16798
GI	none	Score	79
Exons	16418..16594, 16448..16594, 16479..16598, 16592..16789, 16604..16798		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o1.tm	Method	TBLASTX:Maize
Start	16496	End	17092
GI	none	Score	145
Exons	16496..16567, 16631..16930, 16692..16913, 16964..17092, 16986..17084		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o6.gs	Method	GENSCAN
Start	19595	End	22346
GI	none	Score	.83
Exons	19595..19759, 19761..19951, 20584..20642, 20764..20898, 20974..21193, 21307..21466, 21564..21773, 21857..22032, 22223..22346		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o7.np	Method	AAT/NAP
Start	20271	End	22340
GI	5732928	Score	326
Exons	20271..20459, 20791..20896, 20975..21142, 21280..21466, 21570..21798, 21891..22032, 22223..22340		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o8.gp	Method	AAT/GAP
Start	20567	End	21215
GI	33857_1.R1084	Score	901
Exons	20567..20898, 20974..21215		
GI Descrip.	'4508073/gb|AAD21417.1| 5.0e-22 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	18836	Seq. ID	OJ990506_04.9924.C28
Gene No.	39519	Strand	-
Start	19595	End	22455
Name	OJ990506_04.9924.C28.o9.gp	Method	AAT/GAP

Start	21908	End	22455
GI	uC-osflcyp017f04b1	Score	612
Exons	21908..22032, 22223..22455		
GI Descrip.	'4508073/gb|AAD21417.1| 2.0e-17 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	18837	Seq. ID	OJ990506_04.9924.C29
Gene No.	39520	Strand	+
Start	1330	End	1404
Name	OJ990506_04.9924.C29.o1.gp	Method	AAT/GAP
Start	1330	End	1404
GI	uC-osflM202097d10b1	Score	105
Exons	1330..1404		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	18837	Seq. ID	OJ990506_04.9924.C29
Gene No.	39521	Strand	-
Start	1	End	2637
Name	OJ990506_04.9924.C29.o1.np	Method	AAT/NAP
Start	1	End	2485
GI	6689826	Score	494
Exons	1..294, 685..880, 977..1166, 1917..2083, 2353..2485		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	18837	Seq. ID	OJ990506_04.9924.C29
Gene No.	39521	Strand	-
Start	1	End	2637
Name	OJ990506_04.9924.C29.o1.gs	Method	GENSCAN
Start	83	End	2637
GI	none	Score	.86
Exons	83..302, 696..855, 948..1166, 1917..2083, 2353..2503, 2542..2637		

Seq. No.	18837	Seq. ID	OJ990506_04.9924.C29
Gene No.	39522	Strand	-
Start	3867	End	4701
Name	OJ990506_04.9924.C29.o1.tw	Method	TBLASTX:Wheat
Start	1056	End	2441
GI	none	Score	107
Exons	1056..1169, 1057..1143, 1920..2087, 1935..2084, 2348..2440, 2349..2441		

Seq. No.	18837	Seq. ID	OJ990506_04.9924.C29
Gene No.	39522	Strand	-
Start	3867	End	4701
Name	OJ990506_04.9924.C29.o1.tm	Method	TBLASTX:Maize
Start	1089	End	2459
GI	none	Score	62
Exons	1089..1169, 1090..1155, 1914..2084, 1915..2088, 1917..2087, 2325..2432, 2330..2455, 2346..2459		

Seq. No.	18837	Seq. ID	OJ990506_04.9924.C29
Gene No.	39522	Strand	-
Start	3867	End	4701
Name	OJ990506_04.9924.C29.o2.gs	Method	GENSCAN
Start	3867	End	4701
GI	none	Score	.62

Exons	3867..4055, 4102..4225, 4643..4701		
Seq. No.	18838	Seq. ID	OJ990506_04.9924.C30
Gene No.	39523	Strand	+
Start	590	End	2497
Name	OJ990506_04.9924.C30.o1.gs	Method	GENSCAN
Start	590	End	2463
GI	none	Score	.77
Exons	590..2463		
Seq. No.	18838	Seq. ID	OJ990506_04.9924.C30
Gene No.	39523	Strand	+
Start	590	End	2497
Name	OJ990506_04.9924.C30.o1.np	Method	AAT/NAP
Start	598	End	2497
GI	4234852	Score	1678
Exons	598..758, 801..2497		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	18838	Seq. ID	OJ990506_04.9924.C30
Gene No.	39523	Strand	+
Start	590	End	2497
Name	OJ990506_04.9924.C30.o1.tm	Method	TBLASTX:Maize
Start	690	End	1701
GI	none	Score	586
Exons	690..1268, 691..1299, 1309..1440, 1380..1421, 1545..1595, 1636..1701		
Seq. No.	18838	Seq. ID	OJ990506_04.9924.C30
Gene No.	39523	Strand	+
Start	590	End	2497
Name	OJ990506_04.9924.C30.o2.tw	Method	TBLASTX:Wheat
Start	1621	End	2058
GI	none	Score	110
Exons	1621..1818, 1888..2058, 1920..2042		
Seq. No.	18838	Seq. ID	OJ990506_04.9924.C30
Gene No.	39523	Strand	+
Start	590	End	2497
Name	OJ990506_04.9924.C30.o1.ts	Method	TBLASTX:Soybean
Start	1915	End	2301
GI	none	Score	344
Exons	1915..2301, 1926..2132		
Seq. No.	18838	Seq. ID	OJ990506_04.9924.C30
Gene No.	39523	Strand	+
Start	590	End	2497
Name	OJ990506_04.9924.C30.o1.tw	Method	TBLASTX:Wheat
Start	2077	End	2496
GI	none	Score	252
Exons	2077..2316, 2091..2315, 2356..2496, 2379..2477, 2404..2487		
Seq. No.	18838	Seq. ID	OJ990506_04.9924.C30
Gene No.	39523	Strand	+
Start	590	End	2497
Name	OJ990506_04.9924.C30.o2.tm	Method	TBLASTX:Maize
Start	2092	End	2496

GI	none	Score	128
Exons	2092..2316, 2365..2496		
Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39524	Strand	+
Start	1	End	2247
Name	OJ990506_04.9924.C31.o1.np	Method	AAT/NAP
Start	1	End	2247
GI	4234852	Score	2704
Exons	1..2247		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39525	Strand	+
Start	11939	End	12460
Name	OJ990506_04.9924.C31.o4.gs	Method	GENSCAN
Start	11939	End	12460
GI	none	Score	.54
Exons	11939..12460		
Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39526	Strand	-
Start	2307	End	5356
Name	OJ990506_04.9924.C31.o2.np	Method	AAT/NAP
Start	2307	End	5339
GI	5852933	Score	352
Exons	2307..2366, 2953..3076, 3167..3417, 3528..3716, 4004..4182, 4891..5057, 5222..5339		
GI Descrip.	(AF167556) dihydroflavonol-4-reductase DFR1 [Glycine max]		
Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39526	Strand	-
Start	2307	End	5356
Name	OJ990506_04.9924.C31.o2.gs	Method	GENSCAN
Start	2950	End	5342
GI	none	Score	.94
Exons	2950..3100, 3191..3425, 3528..3669, 3973..4182, 4891..5057, 5222..5342		
Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39526	Strand	-
Start	2307	End	5356
Name	OJ990506_04.9924.C31.o1.gp	Method	AAT/GAP
Start	4900	End	5356
GI	17023_1.R1084	Score	420
Exons	4900..5057, 5222..5356		
GI Descrip.	'4508073/gb|AAD21417.1| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		
Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o4.tw	Method	TBLASTX:Wheat
Start	4	End	804
GI	none	Score	176
Exons	4..219, 676..804		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o1.ts	Method	TBLASTX:Soybean
Start	733	End	1170
GI	5509260	Score	365
Exons	733..1170, 822..1094, 1137..1169		
GI Descrip.	-		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o2.tc	Method	TBLASTX:Cress
Start	820	End	1080
GI	none	Score	249
Exons	820..1080, 822..1058		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o1.tw	Method	TBLASTX:Wheat
Start	861	End	1641
GI	none	Score	359
Exons	861..1208, 862..1206, 862..1215, 1191..1637, 1201..1641		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o3.tm	Method	TBLASTX:Maize
Start	862	End	1305
GI	none	Score	275
Exons	862..1170, 879..1169, 1204..1305		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o2.tm	Method	TBLASTX:Maize
Start	1306	End	1737
GI	none	Score	81
Exons	1306..1467, 1441..1737, 1581..1736		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o2.ts	Method	TBLASTX:Soybean
Start	1627	End	2193
GI	none	Score	131
Exons	1627..1809, 1818..1919, 1822..2013, 2002..2193		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o6.tm	Method	TBLASTX:Maize
Start	1750	End	2208
GI	none	Score	55
Exons	1750..1809, 1792..1968, 2017..2208		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o2.tw	Method	TBLASTX:Wheat
Start	1797	End	2196
GI	none	Score	282
Exons	1797..2030, 1801..2196		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o8.tm	Method	TBLASTX:Maize
Start	3236	End	3660
GI	none	Score	51
Exons	3236..3283, 3238..3282, 3319..3453, 3320..3442, 3520..3648, 3523..3660, 3524..3658		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o3.tw	Method	TBLASTX:Wheat
Start	4068	End	5310
GI	none	Score	106
Exons	4068..4148, 4072..4185, 4073..4156, 4891..5049, 4895..5050, 4909..5055, 4947..5054, 5217..5309, 5218..5310		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o4.tm	Method	TBLASTX:Maize
Start	4105	End	5382
GI	none	Score	73
Exons	4105..4191, 4105..4185, 4888..5055, 4891..5058, 4895..5059, 5214..5324, 5215..5382, 5224..5328		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o2.gp	Method	AAT/GAP
Start	6061	End	6523
GI	2442924	Score	560
Exons	6061..6336, 6483..6523		
GI Descrip.	5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o3.np	Method	AAT/NAP
Start	6190	End	10907
GI	4850399	Score	1593
Exons	6190..6336, 6483..6590, 6689..6748, 6782..6820, 6917..7329, 7399..7603, 7658..7783, 8277..8330, 8414..8488, 8584..8643, 8977..9081, 9351..9404, 9494..9643, 9748..9880, 9948..10072, 10201..10377, 10509..10907		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o5.ts	Method	TBLASTX:Soybean
Start	6217	End	6958
GI	none	Score	62
Exons	6217..6336, 6240..6344, 6274..6339, 6483..6590, 6487..6591, 6683..6760, 6917..6958		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o1.tm	Method	TBLASTX:Maize
Start	6543	End	9565
GI	none	Score	110
Exons	6543..6590, 6683..6790, 6688..6846, 6690..6797, 6913..7146, 6916..7146, 7216..7284, 7297..7401, 7313..7396, 7391..7603, 7400..7606, 7402..7605, 7670..7780, 7671..7781, 7680..7781, 7705..7785, 8274..8333, 8278..8331, 8411..8509, 8413..8484, 8414..8488, 8581..8649, 8584..8649, 8977..9075, 8978..9073, 9251..9301, 9348..9407, 9349..9405, 9494..9565, 9501..9563		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o3.gs	Method	GENSCAN
Start	6839	End	10919
GI	none	Score	.8
Exons	6839..7630, 7682..7783, 9351..9404, 9494..9643, 9748..9880, 9948..10072, 10201..10377, 10509..10919		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o3.gp	Method	AAT/GAP
Start	7335	End	7771
GI	427365	Score	681
Exons	7335..7603, 7682..7771		
GI Descrip.	4850399/gb|AAD31069.1|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o4.ts	Method	TBLASTX:Soybean
Start	7679	End	8616
GI	none	Score	117
Exons	7679..7780, 7680..7784, 8277..8333, 8280..8330, 8411..8509, 8413..8484, 8414..8488, 8581..8616		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o5.tm	Method	TBLASTX:Maize
Start	9784	End	10075
GI	none	Score	101
Exons	9784..9879, 9792..9878, 9838..9882, 9845..9883, 9917..10075,		

9921..10070, 9947..10075

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o3.ts	Method	TBLASTX:Soybean
Start	9938	End	10318
GI	none	Score	93
Exons	9938..10087, 9948..10070, 10201..10317, 10207..10293, 10217..10318		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o1.tc	Method	TBLASTX:Cress
Start	10516	End	10850
GI	none	Score	51
Exons	10516..10596, 10518..10688, 10645..10719, 10719..10850		

Seq. No.	18839	Seq. ID	OJ990506_04.9924.C31
Gene No.	39527	Strand	-
Start	6061	End	10926
Name	OJ990506_04.9924.C31.o7.tm	Method	TBLASTX:Maize
Start	10761	End	10926
GI	none	Score	98
Exons	10761..10925, 10813..10926		

Seq. No.	18840	Seq. ID	OJ990506_04.9924.C32
Gene No.	39528	Strand	+
Start	121	End	239
Name	OJ990506_04.9924.C32.o1.gs	Method	GENSCAN
Start	121	End	239
GI	none	Score	.68
Exons	121..239		

Seq. No.	18840	Seq. ID	OJ990506_04.9924.C32
Gene No.	39529	Strand	+
Start	2907	End	4504
Name	OJ990506_04.9924.C32.o1.gp	Method	AAT/GAP
Start	2425	End	2787
GI	63359_1.R1084	Score	645
Exons	2425..2787		
GI Descrip.	'5262763/emb|CAB45911.1| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	18840	Seq. ID	OJ990506_04.9924.C32
Gene No.	39529	Strand	+
Start	2907	End	4504
Name	OJ990506_04.9924.C32.o2.gs	Method	GENSCAN
Start	2907	End	4450
GI	none	Score	.92
Exons	2907..3107, 3196..3340, 3521..3630, 3740..3859, 3947..4150, 4241..4450		

Seq. No.	18840	Seq. ID	OJ990506_04.9924.C32
Gene No.	39529	Strand	+
Start	2907	End	4504

Name	OJ990506_04.9924.C32.o2.gp	Method	AAT/GAP
Start	2913	End	3778
GI	uC-osflM202097d05b1	Score	874
Exons	2913..3107, 3196..3340, 3521..3630, 3740..3778		
GI Descrip.	'1170620/sp|P46864|KATB_ARATH 4.0e-19 KINESIN-LIKE PROTEIN B >gi_1084341_pir__S48019 kinesin-related protein katB - Arabidopsis thaliana >gi_1438842_dbj_BAA04673_ (D21137) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	18840	Seq. ID	OJ990506_04.9924.C32
Gene No.	39529	Strand	+
Start	2907	End	4504
Name	OJ990506_04.9924.C32.o1.tm	Method	TBLASTX:Maize
Start	2970	End	4504
GI	none	Score	129
Exons	2970..3107, 2978..3100, 3193..3339, 3195..3320, 3520..3633, 3520..3615, 3738..3857, 3740..3868, 3793..3861, 3941..4147, 3946..4152, 3947..4156, 4203..4421, 4220..4450, 4246..4452, 4247..4504		

Seq. No.	18840	Seq. ID	OJ990506_04.9924.C32
Gene No.	39529	Strand	+
Start	2907	End	4504
Name	OJ990506_04.9924.C32.o1.tc	Method	TBLASTX:Cress
Start	3193	End	4450
GI	none	Score	88
Exons	3193..3330, 3956..4153, 3961..4089, 4247..4450		

Seq. No.	18840	Seq. ID	OJ990506_04.9924.C32
Gene No.	39529	Strand	+
Start	2907	End	4504
Name	OJ990506_04.9924.C32.o1.ts	Method	TBLASTX:Soybean
Start	3982	End	4363
GI	none	Score	120
Exons	3982..4092, 3983..4156, 4247..4363, 4252..4362		

Seq. No.	18841	Seq. ID	OJ990506_04.9924.C33
Gene No.	39530	Strand	+
Start	154	End	2207
Name	OJ990506_04.9924.C33.o1.gs	Method	GENSCAN
Start	154	End	1934
GI	none	Score	94
Exons	154..295, 405..514, 867..1025, 1103..1305, 1593..1674, 1830..1934		

Seq. No.	18841	Seq. ID	OJ990506_04.9924.C33
Gene No.	39530	Strand	+
Start	154	End	2207
Name	OJ990506_04.9924.C33.o1.np	Method	AAT/NAP
Start	154	End	2207
GI	1170619	Score	766
Exons	154..295, 405..514, 867..1025, 1103..1305, 1593..1674, 1830..1934, 2018..2207		
GI Descrip.	KINESIN-LIKE PROTEIN A gi|479594|pir||S34830 kinesin-related protein katA - Arabidopsis thaliana gi|303502|dbj|BAA01972| (D11371) kinesin-like motor protein heavy chain [Arabidopsis		

thaliana] gi|2911084|emb|CAA17546.1| (AL021960) kinesin-related protein katA [Arabidopsis thaliana]

Seq. No.	18841	Seq. ID	OJ990506_04.9924.C33
Gene No.	39530	Strand	+
Start	154	End	2207
Name	OJ990506_04.9924.C33.o1.tc	Method	TBLASTX:Cress
Start	154	End	1934
GI	none	Score	89
Exons	154..210, 199..297, 379..522, 395..532, 428..538, 864..929, 924..1034, 935..1027, 1097..1177, 1099..1146, 1178..1306, 1587..1673, 1588..1674, 1823..1930, 1827..1934		

Seq. No.	18841	Seq. ID	OJ990506_04.9924.C33
Gene No.	39530	Strand	+
Start	154	End	2207
Name	OJ990506_04.9924.C33.o1.ts	Method	TBLASTX:Soybean
Start	208	End	1312
GI	none	Score	65
Exons	208..300, 404..532, 411..515, 415..522, 419..538, 846..923, 864..944, 924..1034, 941..1027, 1097..1150, 1099..1143, 1187..1312, 1189..1308		

Seq. No.	18841	Seq. ID	OJ990506_04.9924.C33
Gene No.	39530	Strand	+
Start	154	End	2207
Name	OJ990506_04.9924.C33.o1.tm	Method	TBLASTX:Maize
Start	478	End	1173
GI	none	Score	73
Exons	478..525, 479..532, 482..538, 838..1023, 864..1034, 864..1025, 1098..1172, 1098..1172, 1099..1173		

Seq. No.	18842	Seq. ID	OJ990506_04.9924.C35
Gene No.	39531	Strand	+
Start	1	End	712
Name	OJ990506_04.9924.C35.o1.np	Method	AAT/NAP
Start	1	End	496
GI	5042454	Score	203
Exons	1..189, 443..496		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	18842	Seq. ID	OJ990506_04.9924.C35
Gene No.	39531	Strand	+
Start	1	End	712
Name	OJ990506_04.9924.C35.o1.gs	Method	GENSCAN
Start	133	End	712
GI	none	Score	.74
Exons	133..189, 443..712		

Seq. No.	18843	Seq. ID	OJ990506_04.9924.C36
Gene No.	39532	Strand	-
Start	56	End	1409
Name	OJ990506_04.9924.C36.o1.gs	Method	GENSCAN
Start	56	End	1409
GI	none	Score	.63
Exons	56..117, 1320..1409		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39533	Strand	+
Start	1209	End	9897
Name	OJ990506_04.9924.C37.o1.gs	Method	GENSCAN
Start	1209	End	9877
GI	none	Score	.5
Exons	1209..1329, 2509..2675, 2860..3060, 3763..3922, 4020..4233, 4451..4574, 4751..4941, 6405..6496, 6618..7097, 8637..9489, 9559..9877		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39533	Strand	+
Start	1209	End	9897
Name	OJ990506_04.9924.C37.o1.gp	Method	AAT/GAP
Start	6653	End	6786
GI	uC-osflM202039g09b1	Score	176
Exons	6653..6786		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39533	Strand	+
Start	1209	End	9897
Name	OJ990506_04.9924.C37.o2.np	Method	AAT/NAP
Start	6717	End	9897
GI	3152576	Score	608
Exons	6717..7097, 8637..9495, 9559..9897		
GI Descrip.	(AC002986) Similar to liver-specific transport protein gb|L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39533	Strand	+
Start	1209	End	9897
Name	OJ990506_04.9924.C37.o2.gp	Method	AAT/GAP
Start	9112	End	9433
GI	568937	Score	637
Exons	9112..9433		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39534	Strand	+
Start	10836	End	13546
Name	OJ990506_04.9924.C37.o2.gs	Method	GENSCAN
Start	10836	End	13546
GI	none	Score	.72
Exons	10836..10908, 11237..11481, 13187..13217, 13440..13546		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39535	Strand	+
Start	14949	End	16579
Name	OJ990506_04.9924.C37.o4.gp	Method	AAT/GAP
Start	14910	End	15999
GI	71813_1.R1084	Score	1002
Exons	14910..15108, 15227..15327, 15701..15999		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37

Gene No.	39535	Strand	+
Start	14949	End	16579
Name	OJ990506_04.9924.C37.o3.np	Method	AAT/NAP
Start	14940	End	16405
GI	4262149	Score	782
Exons	14940..15108, 15227..15327, 15701..15952, 16028..16210, 16244..16405		
GI Descrip.	(AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39535	Strand	+
Start	14949	End	16579
Name	OJ990506_04.9924.C37.o3.gs	Method	GENSCAN
Start	14949	End	16399
GI	none	Score	.62
Exons	14949..15108, 15227..15331, 15684..16399		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39535	Strand	+
Start	14949	End	16579
Name	OJ990506_04.9924.C37.o5.gp	Method	AAT/GAP
Start	16112	End	16579
GI	76282_1.R1084	Score	852
Exons	16112..16579		
GI Descrip.	'4262149/gb|AAD14449| 7.0e-17 (AC005275) putative xyloglucan endotransglycosylase [Arabidopsis thaliana]'		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39536	Strand	+
Start	17495	End	18944
Name	OJ990506_04.9924.C37.o4.gs	Method	GENSCAN
Start	17495	End	18944
GI	none	Score	.77
Exons	17495..17515, 18083..18335, 18803..18879, 18894..18944		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o5.tm	Method	TBLASTX:Maize
Start	1196	End	2937
GI	none	Score	164
Exons	1196..1327, 1221..1328, 2487..2675, 2492..2677, 2508..2675, 2509..2676, 2833..2937, 2836..2937		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o3.tw	Method	TBLASTX:Wheat
Start	1241	End	2973
GI	none	Score	125
Exons	1241..1327, 1242..1328, 1259..1330, 2508..2684, 2508..2657, 2857..2970, 2857..2973		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775

Name	OJ990506_04.9924.C37.o2.tw	Method	TBLASTX:Wheat
Start	6766	End	6918
GI	none	Score	216
Exons	6766..6918, 6767..6913		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o4.ts	Method	TBLASTX:Soybean
Start	6767	End	7099
GI	4397580	Score	185
Exons	6767..6907, 6775..6918, 6983..7099, 7000..7098		
GI Descrip.	3152576 6.0e-14 (AC002986) Similar to liver-specific transport protein gb_L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o2.tc	Method	TBLASTX:Cress
Start	7004	End	8967
GI	none	Score	72
Exons	7004..7099, 8629..8967, 8630..8890		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o2.ts	Method	TBLASTX:Soybean
Start	8657	End	9103
GI	none	Score	322
Exons	8657..8935, 8659..8919, 8936..9103, 8962..9102		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o5.ts	Method	TBLASTX:Soybean
Start	9209	End	9604
GI	none	Score	269
Exons	9209..9490, 9557..9604		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o3.tm	Method	TBLASTX:Maize
Start	15017	End	15874
GI	none	Score	158
Exons	15017..15067, 15018..15110, 15184..15333, 15225..15326, 15226..15327, 15689..15835, 15701..15874, 15703..15873		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o1.tc	Method	TBLASTX:Cress
Start	15018	End	16387
GI	none	Score	93
Exons	15018..15110, 15190..15333, 15225..15326, 15701..15934, 15703..15933, 16054..16140, 16055..16171, 16250..16387		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o1.ts	Method	TBLASTX:Soybean
Start	15018	End	16387
GI	none	Score	115
Exons	15018..15110, 15223..15333, 15225..15326, 15701..15934, 15703..15936, 16054..16143, 16055..16171, 16249..16386, 16250..16387		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o1.tm	Method	TBLASTX:Maize
Start	15875	End	16457
GI	none	Score	103
Exons	15875..15934, 15959..15973, 16054..16395, 16055..16399, 16437..16457		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o5.gs	Method	GENSCAN
Start	20550	End	21775
GI	none	Score	.75
Exons	20550..20907, 21164..21357, 21773..21775		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o4.np	Method	AAT/NAP
Start	20553	End	21400
GI	531389	Score	553
Exons	20553..21400		
GI Descrip.	(U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o4.tm	Method	TBLASTX:Maize
Start	20586	End	20930
GI	none	Score	187
Exons	20586..20627, 20628..20930, 20628..20930		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o3.ts	Method	TBLASTX:Soybean
Start	20628	End	21222
GI	none	Score	96
Exons	20628..20984, 20635..20985, 21005..21040, 21085..21222, 21104..21202		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-

Start	20550	End	21775
Name	OJ990506_04.9924.C37.o2.tm	Method	TBLASTX:Maize
Start	20931	End	21376
GI	none	Score	191
Exons	20931..20981, 21005..21085, 21092..21376, 21095..21370, 21097..21375		

Seq. No.	18844	Seq. ID	OJ990506_04.9924.C37
Gene No.	39537	Strand	-
Start	20550	End	21775
Name	OJ990506_04.9924.C37.o1.tw	Method	TBLASTX:Wheat
Start	21011	End	21375
GI	none	Score	87
Exons	21011..21073, 21097..21243, 21098..21244, 21256..21375		

Seq. No.	18845	Seq. ID	OJ990506_04.9924.C38
Gene No.	39538	Strand	+
Start	1	End	719
Name	OJ990506_04.9924.C38.o1.np	Method	AAT/NAP
Start	1	End	719
GI	5441880	Score	621
Exons	1..19, 240..538, 618..719		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	18845	Seq. ID	OJ990506_04.9924.C38
Gene No.	39538	Strand	+
Start	1	End	719
Name	OJ990506_04.9924.C38.o1.gs	Method	GENSCAN
Start	123	End	538
GI	none	Score	.71
Exons	123..149, 240..538		

Seq. No.	18845	Seq. ID	OJ990506_04.9924.C38
Gene No.	39538	Strand	+
Start	1	End	719
Name	OJ990506_04.9924.C38.o1.gp	Method	AAT/GAP
Start	366	End	719
GI	LIB3475-007-P1-K1-G8	Score	499
Exons	366..538, 618..719		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	18846	Seq. ID	OJ990526_04.9921.C3
Gene No.	39539	Strand	-
Start	822	End	1368
Name	OJ990526_04.9921.C3.o1.gp	Method	AAT/GAP
Start	822	End	1329
GI	none	Score	983
Exons	822..1329		

Seq. No.	18846	Seq. ID	OJ990526_04.9921.C3
Gene No.	39539	Strand	-
Start	822	End	1368
Name	OJ990526_04.9921.C3.o1.tm	Method	TBLASTX:Maize

Start	1152	End	1368
GI	none	Score	71
Exons	1152..1205, 1162..1203, 1203..1307, 1206..1328, 1207..1368		

Seq. No.	18847	Seq. ID	OJ990526_04.9921.C4
Gene No.	39540	Strand	-
Start	138	End	1257
Name	OJ990526_04.9921.C4.o1.gp	Method	AAT/GAP
Start	138	End	1254
GI	3597_2.R1084	Score	697
Exons	138..204, 395..490, 574..657, 747..839, 1140..1254		
GI Descrip.	'3402817/emb|CAA07704| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	18847	Seq. ID	OJ990526_04.9921.C4
Gene No.	39540	Strand	-
Start	138	End	1257
Name	OJ990526_04.9921.C4.o1.tm	Method	TBLASTX:Maize
Start	140	End	1257
GI	none	Score	62
Exons	140..196, 141..206, 142..207, 142..207, 393..494, 395..493, 411..494, 412..495, 560..658, 574..660, 574..666, 575..661, 747..836, 752..850, 752..841, 1137..1217, 1141..1257		

Seq. No.	18848	Seq. ID	OJ990526_04.9921.C6
Gene No.	39541	Strand	
Start	904	End	2150
Name	OJ990526_04.9921.C6.o1.tm	Method	TBLASTX:Maize
Start	904	End	2091
GI	none	Score	128
Exons	904..1005, 915..1007, 982..1743, 1002..1067, 1009..1710, 1584..1709, 1588..1710, 1588..1710, 1779..1814, 1957..2091		

Seq. No.	18848	Seq. ID	OJ990526_04.9921.C6
Gene No.	39541	Strand	
Start	904	End	2150
Name	OJ990526_04.9921.C6.o1.tc	Method	TBLASTX:Cress
Start	1285	End	2115
GI	none	Score	74
Exons	1285..1554, 1630..1905, 1696..2043, 1807..2079, 1852..2004, 1945..2115, 1957..2073		

Seq. No.	18848	Seq. ID	OJ990526_04.9921.C6
Gene No.	39541	Strand	
Start	904	End	2150
Name	OJ990526_04.9921.C6.o1.ts	Method	TBLASTX:Soybean
Start	1753	End	2150
GI	none	Score	72
Exons	1753..1974, 1848..2150, 1849..2148		

Seq. No.	18848	Seq. ID	OJ990526_04.9921.C6
Gene No.	39541	Strand	
Start	904	End	2150
Name	OJ990526_04.9921.C6.o2.tm	Method	TBLASTX:Maize
Start	1814	End	1954
GI	none	Score	206
Exons	1814..1954, 1816..1953		

Seq. No.	18849	Seq. ID	OJ990526_04.9921.C8
Gene No.	39542	Strand	+
Start	512	End	579
Name	OJ990526_04.9921.C8.o1.gp	Method	AAT/GAP
Start	512	End	579
GI	26364_1.R1084	Score	107
Exons	512..579		
GI Descrip.	'3402817/emb|CAA07704| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	18850	Seq. ID	OJ990526_04.9921.C9
Gene No.	39543	Strand	
Start	1730	End	2045
Name	OJ990526_04.9921.C9.o2.tm	Method	TBLASTX:Maize
Start	1730	End	2045
GI	none	Score	326
Exons	1730..2029, 1730..2002, 1738..2028, 1821..2045		

Seq. No.	18850	Seq. ID	OJ990526_04.9921.C9
Gene No.	39544	Strand	
Start	2876	End	3129
Name	OJ990526_04.9921.C9.o1.tm	Method	TBLASTX:Maize
Start	2876	End	3129
GI	none	Score	206
Exons	2876..3118, 2877..3122, 2878..3129, 2878..3123		

Seq. No.	18851	Seq. ID	OJ990526_04.9921.C10
Gene No.	39545	Strand	-
Start	222	End	793
Name	OJ990526_04.9921.C10.o1.gp	Method	AAT/GAP
Start	222	End	793
GI	5144_2.R1084	Score	882
Exons	222..598, 689..793		
GI Descrip.	'1173104/sp|P42814|RNS2_ARATH 2.0e-69 RIBONUCLEASE 2 PRECURSOR >gi_289210 (M98336) ribonuclease [Arabidopsis thaliana] >gi_2642160 (AC003000) ribonuclease, RNS2 [Arabidopsis thaliana]'		

Seq. No.	18852	Seq. ID	OJ990526_04.9921.C17
Gene No.	39546	Strand	+
Start	1	End	57
Name	OJ990526_04.9921.C17.o1.gp	Method	AAT/GAP
Start	1	End	57
GI	4880236	Score	80
Exons	1..57		
GI Descrip.	3915826/sp|P49625|RL5_ORYSA 3.0e-26 60S RIBOSOMAL PROTEIN L5		

Seq. No.	18853	Seq. ID	OJ990526_04.9921.C21
Gene No.	39547	Strand	+
Start	1	End	217
Name	OJ990526_04.9921.C21.o1.gp	Method	AAT/GAP
Start	1	End	217
GI	LIB3433-060-P1-K1-H10	Score	411
Exons	1..217		
GI Descrip.	'5921446/sp|Q38774|CC2C_ANTMA 1.0e-52 CELL DIVISION CONTROL PROTEIN 2 HOMOLOG C >gi_1321676_emb_CAA66235_ (X97639)		

cyclin-dependent kinas [Antirrhinum majus]'

Seq. No.	18853	Seq. ID	OJ990526_04.9921.C21
Gene No.	39547	Strand	+
Start	1	End	217
Name	OJ990526_04.9921.C21.o1.tc	Method	TBLASTX:Cress
Start	1	End	217
GI	none	Score	113
Exons	1..90, 2..88, 95..217, 106..165		

Seq. No.	18854	Seq. ID	OJ990526_04.9921.C23
Gene No.	39548	Strand	+
Start	730	End	933
Name	OJ990526_04.9921.C23.o1.tc	Method	TBLASTX:Cress
Start	375	End	831
GI	none	Score	193
Exons	375..512, 376..516, 727..831, 729..827		

Seq. No.	18854	Seq. ID	OJ990526_04.9921.C23
Gene No.	39548	Strand	+
Start	730	End	933
Name	OJ990526_04.9921.C23.o1.tm	Method	TBLASTX:Maize
Start	375	End	842
GI	none	Score	234
Exons	375..515, 376..516, 415..519, 727..831, 729..830, 738..842		

Seq. No.	18854	Seq. ID	OJ990526_04.9921.C23
Gene No.	39548	Strand	+
Start	730	End	933
Name	OJ990526_04.9921.C23.o1.ts	Method	TBLASTX:Soybean
Start	375	End	798
GI	none	Score	198
Exons	375..515, 376..516, 727..798		

Seq. No.	18854	Seq. ID	OJ990526_04.9921.C23
Gene No.	39548	Strand	+
Start	730	End	933
Name	OJ990526_04.9921.C23.o1.gp	Method	AAT/GAP
Start	730	End	933
GI	none	Score	349
Exons	730..933		

Seq. No.	18855	Seq. ID	OJ990526_04.9921.C27
Gene No.	39549	Strand	-
Start	1	End	1726
Name	OJ990526_04.9921.C27.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1697
GI	none	Score	121
Exons	1..96, 3..95, 41..103, 173..334, 174..356, 548..688, 549..689, 804..968, 847..966, 848..985, 849..983, 850..990, 1047..1139, 1047..1127, 1048..1137, 1081..1167, 1210..1341, 1219..1341, 1220..1345, 1221..1367, 1433..1546, 1457..1546, 1476..1547, 1576..1692, 1634..1693, 1638..1697		

Seq. No.	18855	Seq. ID	OJ990526_04.9921.C27
Gene No.	39549	Strand	-
Start	1	End	1726

Name	OJ990526_04.9921.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	1703
GI	none	Score	103
Exons	1..96, 3..95, 173..334, 173..337, 174..356, 548..688, 549..689, 584..709, 847..966, 848..982, 848..970, 849..983, 850..984, 1046..1126, 1047..1127, 1048..1137, 1049..1129, 1220..1345, 1221..1367, 1454..1543, 1457..1543, 1476..1544, 1621..1695, 1634..1696, 1638..1703		

Seq. No.	18855	Seq. ID	OJ990526_04.9921.C27
Gene No.	39549	Strand	-
Start	1	End	1726
Name	OJ990526_04.9921.C27.o1.tc	Method	TBLASTX:Cress
Start	1	End	1697
GI	none	Score	81
Exons	1..96, 3..95, 222..254, 223..255, 554..580, 581..688, 594..689, 847..966, 848..985, 849..989, 850..990, 1048..1137, 1049..1129, 1205..1342, 1220..1345, 1221..1367, 1463..1540, 1476..1547, 1638..1697		

Seq. No.	18855	Seq. ID	OJ990526_04.9921.C27
Gene No.	39549	Strand	-
Start	1	End	1726
Name	OJ990526_04.9921.C27.o1.gp	Method	AAT/GAP
Start	1	End	1726
GI	211_1.R1084	Score	1552
Exons	1..93, 178..347, 548..682, 849..965, 1048..1127, 1219..1345, 1455..1546, 1630..1726		
GI Descrip.	'3915826/sp|P49625|RL5_ORYSA 1.0e-147 60S RIBOSOMAL PROTEIN L5'		

Seq. No.	18855	Seq. ID	OJ990526_04.9921.C27
Gene No.	39549	Strand	-
Start	1	End	1726
Name	OJ990526_04.9921.C27.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1692
GI	none	Score	81
Exons	1..102, 3..95, 6..128, 162..311, 165..356, 178..342, 545..688, 552..743, 807..968, 847..966, 848..985, 848..970, 849..983, 850..990, 1046..1129, 1048..1137, 1049..1129, 1210..1269, 1220..1345, 1221..1367, 1456..1497, 1476..1547, 1636..1692		

Seq. No.	18856	Seq. ID	OJ990526_04.9921.C29
Gene No.	39550	Strand	+
Start	707	End	1172
Name	OJ990526_04.9921.C29.o2.tm	Method	TBLASTX:Maize
Start	3	End	209
GI	none	Score	68
Exons	3..68, 78..131, 80..130, 110..208, 111..209		

Seq. No.	18856	Seq. ID	OJ990526_04.9921.C29
Gene No.	39550	Strand	+
Start	707	End	1172
Name	OJ990526_04.9921.C29.o1.ts	Method	TBLASTX:Soybean
Start	132	End	1154
GI	none	Score	161
Exons	132..374, 463..564, 504..560, 644..760, 652..798, 653..760, 1058..1141, 1092..1154		

Seq. No.	18856	Seq. ID	OJ990526_04.9921.C29
Gene No.	39550	Strand	+
Start	707	End	1172
Name	OJ990526_04.9921.C29.o1.tm	Method	TBLASTX:Maize
Start	209	End	1172
GI	none	Score	216
Exons	209..373, 210..374, 454..567, 644..760, 645..761, 650..799,	454..567, 464..571, 504..584, 655..798, 1052..1165, 1092..1172	

Seq. No.	18856	Seq. ID	OJ990526_04.9921.C29
Gene No.	39550	Strand	+
Start	707	End	1172
Name	OJ990526_04.9921.C29.o1.gp	Method	AAT/GAP
Start	707	End	1171
GI	3597_2.R1084	Score	208
Exons	707..760, 1092..1171		
GI Descrip.	'3402817/emb|CAA07704| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	18857	Seq. ID	OJ990526_04.9921.C30
Gene No.	39551	Strand	+
Start	307	End	947
Name	OJ990526_04.9921.C30.o1.tm	Method	TBLASTX:Maize
Start	298	End	922
GI	none	Score	76
Exons	298..360, 302..373, 521..580, 767..868, 869..922, 871..912	522..581, 712..867, 767..871,	

Seq. No.	18857	Seq. ID	OJ990526_04.9921.C30
Gene No.	39551	Strand	+
Start	307	End	947
Name	OJ990526_04.9921.C30.o1.gp	Method	AAT/GAP
Start	307	End	947
GI	none	Score	503
Exons	307..349, 522..580, 745..947		

Seq. No.	18858	Seq. ID	OJ990526_04.9921.C31
Gene No.	39552	Strand	
Start	564	End	1168
Name	OJ990526_04.9921.C31.o1.ts	Method	TBLASTX:Soybean
Start	564	End	999
GI	none	Score	51
Exons	564..620, 565..609, 715..765,	728..808, 887..997, 889..999	

Seq. No.	18858	Seq. ID	OJ990526_04.9921.C31
Gene No.	39552	Strand	
Start	564	End	1168
Name	OJ990526_04.9921.C31.o1.tm	Method	TBLASTX:Maize
Start	715	End	1168
GI	none	Score	47
Exons	715..762, 716..760, 887..1042,	889..1044, 1112..1162, 1115..1168	

Seq. No.	18859	Seq. ID	OJ990526_04.9921.C33
Gene No.	39553	Strand	
Start	120	End	362
Name	OJ990526_04.9921.C33.o2.tm	Method	TBLASTX:Maize

Start	120	End	362
GI	none	Score	84
Exons	120..218, 131..241, 131..217,	132..227,	210..362, 218..325

Seq. No.	18859	Seq. ID	OJ990526_04.9921.C33
Gene No.	39554	Strand	
Start	398	End	719
Name	OJ990526_04.9921.C33.o1.tm	Method	TBLASTX:Maize
Start	398	End	719
GI	none	Score	261
Exons	398..556, 403..534, 404..538, 635..718, 636..719	566..637,	580..636, 581..637,

Seq. No.	18860	Seq. ID	OJ990526_04.9921.C34
Gene No.	39555	Strand	+
Start	382	End	589
Name	OJ990526_04.9921.C34.o1.tc	Method	TBLASTX:Cress
Start	131	End	534
GI	none	Score	82
Exons	131..310, 132..257, 376..534,	395..523	

Seq. No.	18860	Seq. ID	OJ990526_04.9921.C34
Gene No.	39555	Strand	+
Start	382	End	589
Name	OJ990526_04.9921.C34.o1.ts	Method	TBLASTX:Soybean
Start	131	End	519
GI	none	Score	40
Exons	131..169, 200..310, 210..272,	376..519,	392..469

Seq. No.	18860	Seq. ID	OJ990526_04.9921.C34
Gene No.	39555	Strand	+
Start	382	End	589
Name	OJ990526_04.9921.C34.o1.tm	Method	TBLASTX:Maize
Start	131	End	589
GI	none	Score	75
Exons	131..187, 132..188, 134..193, 380..589	188..310,	189..293, 370..588,

Seq. No.	18860	Seq. ID	OJ990526_04.9921.C34
Gene No.	39555	Strand	+
Start	382	End	589
Name	OJ990526_04.9921.C34.o1.gp	Method	AAT/GAP
Start	382	End	580
GI	uC-osf1cyp176e09b1	Score	367
Exons	382..580		
GI Descrip.	'4191779 3.0e-72 (AC005917) putative recA protein [Arabidopsis thaliana]'		

Seq. No.	18861	Seq. ID	OJ990526_04.9921.C35
Gene No.	39556	Strand	
Start	201	End	630
Name	OJ990526_04.9921.C35.o1.ts	Method	TBLASTX:Soybean
Start	201	End	630
GI	none	Score	113
Exons	201..278, 218..277, 441..500,	565..630,	571..630

Seq. No.	18862	Seq. ID	OJ990526_04.9921.C36

Gene No.	39557	Strand	
Start	321	End	1545
Name	OJ990526_04.9921.C36.o1.tw	Method	TBLASTX:Wheat
Start	321	End	1545
GI	none	Score	75
Exons	321..425, 326..400, 330..425, 334..426, 338..490, 744..851, 759..872, 761..868, 1238..1324, 1244..1324, 1254..1331, 1441..1545, 1442..1543, 1447..1545		

Seq. No.	18863	Seq. ID	OJ990526_04.9921.C39
Gene No.	39558	Strand	
Start	428	End	653
Name	OJ990526_04.9921.C39.o1.tm	Method	TBLASTX:Maize
Start	428	End	653
GI	none	Score	199
Exons	428..502, 489..650, 501..653		

Seq. No.	18863	Seq. ID	OJ990526_04.9921.C39
Gene No.	39558	Strand	
Start	428	End	653
Name	OJ990526_04.9921.C39.o1.tc	Method	TBLASTX:Cress
Start	501	End	651
GI	none	Score	136
Exons	501..650, 523..651		

Seq. No.	18864	Seq. ID	OJ990526_04.9921.C41
Gene No.	39559	Strand	+
Start	1178	End	1542
Name	OJ990526_04.9921.C41.o1.gp	Method	AAT/GAP
Start	1178	End	1542
GI	2312232	Score	667
Exons	1178..1542		

Seq. No.	18865	Seq. ID	OJ990526_04.9921.C42
Gene No.	39560	Strand	-
Start	2121	End	2245
Name	OJ990526_04.9921.C42.o1.gp	Method	AAT/GAP
Start	2121	End	2245
GI	5144_2.R1084	Score	242
Exons	2121..2245		
GI Descrip.	'1173104/sp|P42814|RNS2_ARATH 2.0e-69 RIBONUCLEASE 2 PRECURSOR >gi_289210 (M98336) ribonuclease [Arabidopsis thaliana] >gi_2642160 (AC003000) ribonuclease, RNS2 [Arabidopsis thaliana]'		

Seq. No.	18866	Seq. ID	OJ990526_04.9921.C43
Gene No.	39561	Strand	+
Start	1	End	1402
Name	OJ990526_04.9921.C43.o1.gp	Method	AAT/GAP
Start	1	End	1402
GI	5144_2.R1084	Score	798
Exons	1..53, 126..177, 318..391, 538..639, 933..1028, 1241..1402		
GI Descrip.	'1173104/sp|P42814|RNS2_ARATH 2.0e-69 RIBONUCLEASE 2 PRECURSOR >gi_289210 (M98336) ribonuclease [Arabidopsis thaliana] >gi_2642160 (AC003000) ribonuclease, RNS2 [Arabidopsis thaliana]'		

Seq. No.	18866	Seq. ID	OJ990526_04.9921.C43
Gene No.	39561	Strand	+
Start	1	End	1402
Name	OJ990526_04.9921.C43.o1.tm	Method	TBLASTX:Maize
Start	977	End	1402
GI	none	Score	73
Exons	977..1033, 978..1028, 1240..1401, 1241..1402		

Seq. No.	18867	Seq. ID	OJ990526_04.9921.C46
Gene No.	39562	Strand	
Start	1	End	276
Name	OJ990526_04.9921.C46.o1.tm	Method	TBLASTX:Maize
Start	1	End	276
GI	none	Score	48
Exons	1..36, 3..29, 96..218, 113..217, 187..249, 213..272, 218..274, 219..275, 226..276		

Seq. No.	18868	Seq. ID	OJ990526_04.9921.C54
Gene No.	39563	Strand	+
Start	1358	End	1462
Name	OJ990526_04.9921.C54.o1.gp	Method	AAT/GAP
Start	1358	End	1462
GI	LIB3433-026-P1-K1-E11	Score	150
Exons	1358..1462		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	18869	Seq. ID	OJ990526_04.9921.C55
Gene No.	39564	Strand	
Start	43	End	1262
Name	OJ990526_04.9921.C55.o1.tc	Method	TBLASTX:Cress
Start	43	End	1257
GI	none	Score	193
Exons	43..168, 44..172, 354..434, 355..441, 727..840, 727..780, 777..839, 926..1036, 930..1052, 1132..1257, 1137..1175		

Seq. No.	18869	Seq. ID	OJ990526_04.9921.C55
Gene No.	39564	Strand	
Start	43	End	1262
Name	OJ990526_04.9921.C55.o1.ts	Method	TBLASTX:Soybean
Start	46	End	783
GI	none	Score	186
Exons	46..168, 47..172, 360..434, 361..435, 727..783		

Seq. No.	18869	Seq. ID	OJ990526_04.9921.C55
Gene No.	39564	Strand	
Start	43	End	1262
Name	OJ990526_04.9921.C55.o1.tm	Method	TBLASTX:Maize
Start	941	End	1262
GI	none	Score	136
Exons	941..1045, 942..1046, 943..1059, 1102..1254, 1122..1262, 1125..1256, 1126..1260		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39565	Strand	+
Start	1807	End	3128
Name	OJ990526_04.9921.C56.o1.gp	Method	AAT/GAP

Start	1807	End	3128
GI	LIB3433-047-P1-K1-D2	Score	877
Exons	1807..1841, 1937..2086, 2441..2516, 2751..2878, 2977..3128		
GI Descrip.	'2335096 3.0e-19 (AC002339) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39566	Strand	-
Start	4052	End	4417
Name	OJ990526_04.9921.C56.o3.ts	Method	TBLASTX:Soybean
Start	556	End	752
GI	none	Score	192
Exons	556..750, 562..702, 567..752		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39566	Strand	-
Start	4052	End	4417
Name	OJ990526_04.9921.C56.o2.ts	Method	TBLASTX:Soybean
Start	860	End	1275
GI	none	Score	101
Exons	860..982, 862..951, 985..1158, 996..1157, 1239..1268, 1243..1275		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39566	Strand	-
Start	4052	End	4417
Name	OJ990526_04.9921.C56.o1.tm	Method	TBLASTX:Maize
Start	939	End	1804
GI	none	Score	52
Exons	939..995, 940..981, 985..1158, 996..1166, 996..1157, 1000..1188, 1025..1189, 1228..1299, 1230..1394, 1237..1395, 1241..1405, 1438..1785, 1476..1796, 1476..1790, 1478..1804		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39566	Strand	-
Start	4052	End	4417
Name	OJ990526_04.9921.C56.o2.tm	Method	TBLASTX:Maize
Start	3071	End	3575
GI	none	Score	116
Exons	3071..3178, 3071..3172, 3072..3176, 3097..3177, 3272..3445, 3277..3417, 3278..3433, 3279..3446, 3507..3575		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39566	Strand	-
Start	4052	End	4417
Name	OJ990526_04.9921.C56.o1.tw	Method	TBLASTX:Wheat
Start	3292	End	3897
GI	none	Score	222
Exons	3292..3417, 3292..3417, 3293..3418, 3336..3446, 3475..3636, 3513..3650, 3513..3647, 3563..3649, 3759..3896, 3760..3897		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39566	Strand	-
Start	4052	End	4417
Name	OJ990526_04.9921.C56.o1.ts	Method	TBLASTX:Soybean
Start	3295	End	3903
GI	none	Score	109
Exons	3295..3420, 3510..3650, 3563..3658, 3759..3896, 3760..3903		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39566	Strand	-
Start	4052	End	4417
Name	OJ990526_04.9921.C56.o3.tm	Method	TBLASTX:Maize
Start	3855	End	4366
GI	none	Score	74
Exons	3855..3947, 3855..3950, 3856..3954, 4041..4169, 4043..4198, 4043..4198, 4093..4224, 4319..4366		

Seq. No.	18870	Seq. ID	OJ990526_04.9921.C56
Gene No.	39566	Strand	-
Start	4052	End	4417
Name	OJ990526_04.9921.C56.o2.gp	Method	AAT/GAP
Start	4052	End	4417
GI	2799378	Score	674
Exons	4052..4417		

Seq. No.	18871	Seq. ID	OJ990526_04.9921.C60
Gene No.	39567	Strand	
Start	1	End	361
Name	OJ990526_04.9921.C60.o1.tm	Method	TBLASTX:Maize
Start	1	End	361
GI	none	Score	235
Exons	1..348, 4..360, 5..361		

Seq. No.	18871	Seq. ID	OJ990526_04.9921.C60
Gene No.	39567	Strand	
Start	1	End	361
Name	OJ990526_04.9921.C60.o1.ts	Method	TBLASTX:Soybean
Start	28	End	357
GI	none	Score	208
Exons	28..234, 29..223, 223..357, 226..357		

Seq. No.	18872	Seq. ID	OJ990526_04.9921.C62
Gene No.	39568	Strand	-
Start	301	End	997
Name	OJ990526_04.9921.C62.o2.tm	Method	TBLASTX:Maize
Start	65	End	233
GI	none	Score	147
Exons	65..232, 66..233		

Seq. No.	18872	Seq. ID	OJ990526_04.9921.C62
Gene No.	39568	Strand	-
Start	301	End	997
Name	OJ990526_04.9921.C62.o1.ts	Method	TBLASTX:Soybean
Start	233	End	669
GI	none	Score	198
Exons	233..370, 446..661, 447..608, 448..669, 596..661		

Seq. No.	18872	Seq. ID	OJ990526_04.9921.C62
Gene No.	39568	Strand	-
Start	301	End	997
Name	OJ990526_04.9921.C62.o1.gp	Method	AAT/GAP
Start	301	End	993
GI	24131_1.R1084	Score	1156
Exons	301..658, 749..993		

GI Descrip.	'2281090 6.0e-58 (AC002333) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	18872	Seq. ID	OJ990526_04.9921.C62
Gene No.	39568	Strand	-
Start	301	End	997
Name	OJ990526_04.9921.C62.o1.tm	Method	TBLASTX:Maize
Start	347	End	899
GI	none	Score	356
Exons	347..661, 348..656, 349..657, 750..899	350..661, 748..873, 749..898,	
Seq. No.	18872	Seq. ID	OJ990526_04.9921.C62
Gene No.	39568	Strand	-
Start	301	End	997
Name	OJ990526_04.9921.C62.o1.tc	Method	TBLASTX:Cress
Start	416	End	995
GI	none	Score	240
Exons	416..661, 426..608, 436..666, 750..896, 938..994, 939..995	437..661, 747..887, 749..895,	
Seq. No.	18872	Seq. ID	OJ990526_04.9921.C62
Gene No.	39568	Strand	-
Start	301	End	997
Name	OJ990526_04.9921.C62.o2.ts	Method	TBLASTX:Soybean
Start	750	End	997
GI	none	Score	173
Exons	750..896, 752..904, 752..895,	938..997	
Seq. No.	18873	Seq. ID	OJ990526_04.9921.C64
Gene No.	39569	Strand	+
Start	529	End	767
Name	OJ990526_04.9921.C64.o1.ts	Method	TBLASTX:Soybean
Start	116	End	251
GI	none	Score	180
Exons	116..244, 117..251		
Seq. No.	18873	Seq. ID	OJ990526_04.9921.C64
Gene No.	39569	Strand	+
Start	529	End	767
Name	OJ990526_04.9921.C64.o1.gp	Method	AAT/GAP
Start	529	End	767
GI	none	Score	427
Exons	529..767		
Seq. No.	18874	Seq. ID	OJ990526_04.9921.C66
Gene No.	39570	Strand	+
Start	1	End	736
Name	OJ990526_04.9921.C66.o1.gp	Method	AAT/GAP
Start	1	End	736
GI	5144_2.R1084	Score	167
Exons	1..42, 88..196, 718..736		
GI Descrip.	'1173104/sp|P42814|RNS2_ARATH 2.0e-69 RIBONUCLEASE 2 PRECURSOR >gi_289210 (M98336) ribonuclease [Arabidopsis thaliana] >gi_2642160 (AC003000) ribonuclease, RNS2 [Arabidopsis thaliana]'		

Seq. No.	18875	Seq. ID	OJ990526_04.9921.C70
Gene No.	39571	Strand	+
Start	36	End	306
Name	OJ990526_04.9921.C70.o1.gp	Method	AAT/GAP
Start	36	End	306
GI	572216	Score	514
Exons	36..306		

Seq. No.	18875	Seq. ID	OJ990526_04.9921.C70
Gene No.	39572	Strand	+
Start	430	End	550
Name	OJ990526_04.9921.C70.o2.gp	Method	AAT/GAP
Start	430	End	550
GI	4768977	Score	211
Exons	430..550		
GI Descrip.	4768978/gb|AAD29702.1|AF140489_1 9.0e-95 (AF140489) kiaa0078 protein [Oryza sativa]		

Seq. No.	18876	Seq. ID	OJ990526_04.9921.C71
Gene No.	39573	Strand	+
Start	718	End	1309
Name	OJ990526_04.9921.C71.o2.tm	Method	TBLASTX:Maize
Start	717	End	902
GI	none	Score	120
Exons	717..830, 717..836, 718..864, 724..861, 829..870, 834..902		

Seq. No.	18876	Seq. ID	OJ990526_04.9921.C71
Gene No.	39573	Strand	+
Start	718	End	1309
Name	OJ990526_04.9921.C71.o1.gp	Method	AAT/GAP
Start	718	End	1286
GI	4768977	Score	714
Exons	718..977, 1061..1155, 1254..1286		
GI Descrip.	4768978/gb|AAD29702.1|AF140489_1 9.0e-95 (AF140489) kiaa0078 protein [Oryza sativa]		

Seq. No.	18876	Seq. ID	OJ990526_04.9921.C71
Gene No.	39573	Strand	+
Start	718	End	1309
Name	OJ990526_04.9921.C71.o1.tc	Method	TBLASTX:Cress
Start	889	End	1309
GI	none	Score	118
Exons	889..963, 891..962, 1062..1154, 1067..1153, 1067..1162, 1071..1154, 1253..1309		

Seq. No.	18876	Seq. ID	OJ990526_04.9921.C71
Gene No.	39574	Strand	
Start	2296	End	2538
Name	OJ990526_04.9921.C71.o3.tm	Method	TBLASTX:Maize
Start	2296	End	2538
GI	none	Score	84
Exons	2296..2394, 2307..2417, 2307..2393, 2308..2403, 2386..2538, 2394..2501, 2395..2532		

Seq. No.	18876	Seq. ID	OJ990526_04.9921.C71
Gene No.	39575	Strand	
Start	2574	End	3426

Name	OJ990526_04.9921.C71.o1.tm	Method	TBLASTX:Maize
Start	2574	End	3426
GI	none	Score	261
Exons	2574..2732, 2579..2710, 2580..2714, 2742..2813, 2756..2812, 2757..2813, 2811..2912, 2812..2901, 2986..3087, 3200..3412, 3200..3397, 3205..3426, 3210..3425		

Seq. No.	18877	Seq. ID	OJ990526_04.9921.C72
Gene No.	39576	Strand	+
Start	223	End	824
Name	OJ990526_04.9921.C72.o1.gp	Method	AAT/GAP
Start	223	End	824
GI	none	Score	1043
Exons	223..824		

Seq. No.	18877	Seq. ID	OJ990526_04.9921.C72
Gene No.	39577	Strand	+
Start	1058	End	1552
Name	OJ990526_04.9921.C72.o1.tm	Method	TBLASTX:Maize
Start	302	End	823
GI	none	Score	70
Exons	302..406, 304..405, 477..548, 492..548, 590..793, 591..794, 604..822, 605..823, 718..822, 719..823, 752..796		

Seq. No.	18877	Seq. ID	OJ990526_04.9921.C72
Gene No.	39577	Strand	+
Start	1058	End	1552
Name	OJ990526_04.9921.C72.o2.gp	Method	AAT/GAP
Start	1058	End	1552
GI	uC-osf1M202037f07b1	Score	753
Exons	1058..1305, 1381..1552		
GI Descrip.	'4768978/gb|AAD29702.1|AF140489_1 9.0e-95 (AF140489) kiaa0078 protein [Oryza sativa]'		

Seq. No.	18877	Seq. ID	OJ990526_04.9921.C72
Gene No.	39578	Strand	
Start	1704	End	2390
Name	OJ990526_04.9921.C72.o2.tm	Method	TBLASTX:Maize
Start	1704	End	2390
GI	none	Score	75
Exons	1704..1745, 1705..1746, 1833..1967, 1835..1966, 1836..1967, 2246..2380, 2247..2348, 2349..2390		

Seq. No.	18878	Seq. ID	OJ990526_04.9921.C76
Gene No.	39579	Strand	
Start	3	End	406
Name	OJ990526_04.9921.C76.o1.tc	Method	TBLASTX:Cress
Start	3	End	397
GI	none	Score	64
Exons	3..50, 118..195, 137..397, 265..309		

Seq. No.	18878	Seq. ID	OJ990526_04.9921.C76
Gene No.	39579	Strand	
Start	3	End	406
Name	OJ990526_04.9921.C76.o1.ts	Method	TBLASTX:Soybean
Start	137	End	406
GI	none	Score	65

Exons	137..196, 194..406		
Seq. No.	18878	Seq. ID	OJ990526_04.9921.C76
Gene No.	39579	Strand	
Start	3	End	406
Name	OJ990526_04.9921.C76.o1.tm	Method	TBLASTX:Maize
Start	197	End	397
GI	none	Score	225
Exons	197..397, 224..376, 265..381		
Seq. No.	18879	Seq. ID	OJ990526_04.9921.C77
Gene No.	39580	Strand	+
Start	568	End	704
Name	OJ990526_04.9921.C77.o1.tm	Method	TBLASTX:Maize
Start	546	End	701
GI	none	Score	213
Exons	546..701, 550..696, 561..701		
Seq. No.	18879	Seq. ID	OJ990526_04.9921.C77
Gene No.	39580	Strand	+
Start	568	End	704
Name	OJ990526_04.9921.C77.o1.gp	Method	AAT/GAP
Start	568	End	704
GI	uC-osflcyp176e09b1	Score	213
Exons	568..704		
GI Descrip.	'4191779 3.0e-72 (AC005917) putative recA protein [Arabidopsis thaliana]'		
Seq. No.	18880	Seq. ID	OJ990526_04.9921.C78
Gene No.	39581	Strand	
Start	440	End	1110
Name	OJ990526_04.9921.C78.o1.tm	Method	TBLASTX:Maize
Start	440	End	1110
GI	none	Score	96
Exons	440..502, 441..491, 442..492, 814..954, 816..950, 822..974, 1030..1110, 1031..1108, 1032..1109, 1033..1110		
Seq. No.	18881	Seq. ID	OJ990526_04.9921.C83
Gene No.	39582	Strand	+
Start	589	End	1894
Name	OJ990526_04.9921.C83.o1.tw	Method	TBLASTX:Wheat
Start	588	End	870
GI	none	Score	77
Exons	588..653, 607..651, 752..868, 760..870, 761..868		
Seq. No.	18881	Seq. ID	OJ990526_04.9921.C83
Gene No.	39582	Strand	+
Start	589	End	1894
Name	OJ990526_04.9921.C83.o1.gp	Method	AAT/GAP
Start	589	End	821
GI	LIB3433-060-P1-K1-H10	Score	190
Exons	589..650, 760..821		
GI Descrip.	'5921446/sp|Q38774|CC2C_ANTMA 1.0e-52 CELL DIVISION CONTROL PROTEIN 2 HOMOLOG C >gi_1321676_emb_CAA66235_ (X97639) cyclin-dependent kinas [Antirrhinum majus]'		
Seq. No.	18881	Seq. ID	OJ990526_04.9921.C83

Gene No.	39582	Strand	+
Start	589	End	1894
Name	OJ990526_04.9921.C83.o1.tc	Method	TBLASTX:Cress
Start	600	End	1894
GI	none	Score	88
Exons	600..653, 607..651, 760..870, 761..877, 931..1041, 948..1055, 950..1042, 1424..1498, 1425..1496, 1425..1499, 1810..1893, 1811..1894		

Seq. No.	18881	Seq. ID	OJ990526_04.9921.C83
Gene No.	39582	Strand	+
Start	589	End	1894
Name	OJ990526_04.9921.C83.o1.tm	Method	TBLASTX:Maize
Start	602	End	1894
GI	none	Score	73
Exons	602..649, 606..650, 606..653, 607..651, 744..872, 760..870, 761..877, 948..1043, 950..1042, 1424..1498, 1425..1496, 1425..1502, 1427..1498, 1810..1893, 1811..1894		

Seq. No.	18881	Seq. ID	OJ990526_04.9921.C83
Gene No.	39582	Strand	+
Start	589	End	1894
Name	OJ990526_04.9921.C83.o1.ts	Method	TBLASTX:Soybean
Start	613	End	1870
GI	none	Score	59
Exons	613..651, 760..873, 761..877, 939..1055, 939..1025, 953..1039, 1425..1496, 1811..1870		

Seq. No.	18882	Seq. ID	OJ990526_04.9921.C84
Gene No.	39583	Strand	+
Start	1	End	68
Name	OJ990526_04.9921.C84.o1.gp	Method	AAT/GAP
Start	1	End	68
GI	none	Score	110
Exons	1..68		

Seq. No.	18883	Seq. ID	OJ990526_04.9921.C85
Gene No.	39584	Strand	+
Start	56	End	126
Name	OJ990526_04.9921.C85.o1.gp	Method	AAT/GAP
Start	56	End	126
GI	3161_1.R1084	Score	97
Exons	56..126		
GI Descrip.	'1236961 6.0e-30 (U50201) prunasin hydrolase precursor [Prunus serotina]'		

Seq. No.	18884	Seq. ID	OJ990426_08.9924.C1
Gene No.	39585	Strand	-
Start	105	End	428
Name	OJ990426_08.9924.C1.o1.gs	Method	GENSCAN
Start	105	End	428
GI	none	Score	.46
Exons	105..156, 331..428		

Seq. No.	18885	Seq. ID	OJ990426_08.9924.C2
Gene No.	39586	Strand	-
Start	2	End	435

Name	OJ990426_08.9924.C2.o1.gs	Method	GENSCAN
Start	2	End	435
GI	none	Score	.88
Exons	2..27, 198..435		

Seq. No.	18886	Seq. ID	OJ990426_08.9924.C3
Gene No.	39587	Strand	-
Start	67	End	362
Name	OJ990426_08.9924.C3.o1.gs	Method	GENSCAN
Start	67	End	362
GI	none	Score	.87
Exons	67..234, 345..362		

Seq. No.	18887	Seq. ID	OJ990426_08.9924.C4
Gene No.	39588	Strand	+
Start	367	End	435
Name	OJ990426_08.9924.C4.o1.gs	Method	GENSCAN
Start	367	End	435
GI	none	Score	.76
Exons	367..435		

Seq. No.	18888	Seq. ID	OJ990426_08.9924.C6
Gene No.	39589	Strand	+
Start	1	End	555
Name	OJ990426_08.9924.C6.o1.gp	Method	AAT/GAP
Start	1	End	555
GI	none	Score	1022
Exons	1..555		

Seq. No.	18889	Seq. ID	OJ990426_08.9924.C7
Gene No.	39590	Strand	+
Start	904	End	998
Name	OJ990426_08.9924.C7.o1.gs	Method	GENSCAN
Start	904	End	998
GI	none	Score	.47
Exons	904..979, 985..998		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39591	Strand	+
Start	1566	End	1961
Name	OJ990426_08.9924.C8.o1.gs	Method	GENSCAN
Start	1566	End	1961
GI	none	Score	.5
Exons	1566..1961		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39592	Strand	+
Start	4641	End	4901
Name	OJ990426_08.9924.C8.o2.gs	Method	GENSCAN
Start	4641	End	4901
GI	none	Score	.47
Exons	4641..4712, 4771..4835, 4844..4901		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39593	Strand	+
Start	7170	End	9380
Name	OJ990426_08.9924.C8.o1.np	Method	AAT/NAP

Start	6958	End	9380
GI	5915839	Score	978
Exons	6958..7862, 8746..9380		
GI Descrip.	CYTOCHROME P450 71D10 gi|2739000|gb|AAB94588| (AF022459) CYP71D10p [Glycine max]		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39593	Strand	+
Start	7170	End	9380
Name	OJ990426_08.9924.C8.o2.tm	Method	TBLASTX:Maize
Start	7091	End	7475
GI	none	Score	201
Exons	7091..7306, 7092..7331, 7307..7402, 7317..7475, 7338..7475		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39593	Strand	+
Start	7170	End	9380
Name	OJ990426_08.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	7092	End	9294
GI	none	Score	133
Exons	7092..7304, 7341..7478, 7527..7781, 8774..8959, 8774..8977, 8955..9008, 9002..9280, 9065..9223, 9154..9294		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39593	Strand	+
Start	7170	End	9380
Name	OJ990426_08.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	7095	End	9295
GI	none	Score	36
Exons	7095..7127, 7158..7340, 7347..7553, 8767..8874, 8774..9295, 8816..8968, 9154..9276		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39593	Strand	+
Start	7170	End	9380
Name	OJ990426_08.9924.C8.o3.gs	Method	GENSCAN
Start	7170	End	9301
GI	none	Score	.59
Exons	7170..7935, 8691..9301		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39593	Strand	+
Start	7170	End	9380
Name	OJ990426_08.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	8767	End	9079
GI	none	Score	259
Exons	8767..9078, 8768..9079		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8
Gene No.	39593	Strand	+
Start	7170	End	9380
Name	OJ990426_08.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	8773	End	9223
GI	none	Score	190
Exons	8773..9222, 8774..8959, 8775..9113, 9002..9223		

Seq. No.	18890	Seq. ID	OJ990426_08.9924.C8

Gene No.	39593	Strand	+
Start	7170	End	9380
Name	OJ990426_08.9924.C8.o2.tw	Method	TBLASTX:Wheat
Start	9110	End	9373
GI	none	Score	181
Exons	9110..9295, 9151..9285, 9299..9373, 9308..9352		

Seq. No.	18891	Seq. ID	OJ990426_08.9924.C9
Gene No.	39594	Strand	+
Start	217	End	718
Name	OJ990426_08.9924.C9.o1.gs	Method	GENSCAN
Start	217	End	718
GI	none	Score	.52
Exons	217..370, 692..718		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39595	Strand	+
Start	1216	End	1344
Name	OJ990426_08.9924.C10.o1.np	Method	AAT/NAP
Start	1216	End	1344
GI	5042462	Score	112
Exons	1216..1344		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39596	Strand	+
Start	2358	End	4963
Name	OJ990426_08.9924.C10.o2.np	Method	AAT/NAP
Start	2358	End	4963
GI	5524155	Score	870
Exons	2358..3210, 4325..4963		
GI Descrip.	(AF124815) cytochrome p450 [Mentha spicata]		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39597	Strand	+
Start	6153	End	6235
Name	OJ990426_08.9924.C10.o2.gp	Method	AAT/GAP
Start	6153	End	6235
GI	5867_1.R1084	Score	111
Exons	6153..6235		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39598	Strand	-
Start	1487	End	3618
Name	OJ990426_08.9924.C10.o1.gp	Method	AAT/GAP
Start	1487	End	3618
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	1487..1553, 3577..3618		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39599	Strand	-
Start	6850	End	7386
Name	OJ990426_08.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	2459	End	2866
GI	none	Score	68
Exons	2459..2665, 2472..2555, 2487..2693, 2601..2693, 2673..2837, 2678..2866, 2700..2861		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39599	Strand	-
Start	6850	End	7386
Name	OJ990426_08.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	2708	End	4975
GI	none	Score	169
Exons	2708..2821, 2709..2864, 2796..3140, 4352..4549, 4357..4464, 4528..4869, 4589..4888, 4880..4975		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39599	Strand	-
Start	6850	End	7386
Name	OJ990426_08.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	4352	End	4824
GI	none	Score	180
Exons	4352..4564, 4360..4824, 4361..4549, 4363..4677, 4592..4810		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39599	Strand	-
Start	6850	End	7386
Name	OJ990426_08.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	4361	End	4917
GI	none	Score	113
Exons	4361..4477, 4363..4467, 4484..4549, 4489..4917, 4607..4879		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39599	Strand	-
Start	6850	End	7386
Name	OJ990426_08.9924.C10.o2.tw	Method	TBLASTX:Wheat
Start	4361	End	4666
GI	none	Score	157
Exons	4361..4549, 4375..4665, 4592..4666		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39599	Strand	-
Start	6850	End	7386
Name	OJ990426_08.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	4696	End	4957
GI	none	Score	220
Exons	4696..4881, 4697..4879, 4880..4957		

Seq. No.	18892	Seq. ID	OJ990426_08.9924.C10
Gene No.	39599	Strand	-
Start	6850	End	7386
Name	OJ990426_08.9924.C10.o2.gs	Method	GENSCAN

Start	6850	End	7386
GI	none	Score	.83
Exons	6850..7386		

Seq. No.	18893	Seq. ID	OJ990426_08.9924.C11
Gene No.	39600	Strand	+
Start	272	End	348
Name	OJ990426_08.9924.C11.o1.gs	Method	GENSCAN
Start	272	End	348
GI	none	Score	.93
Exons	272..348		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39601	Strand	+
Start	3603	End	6257
Name	OJ990426_08.9924.C12.o2.gs	Method	GENSCAN
Start	3603	End	6257
GI	none	Score	.68
Exons	3603..4608, 5647..6257		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39601	Strand	+
Start	3603	End	6257
Name	OJ990426_08.9924.C12.o1.np	Method	AAT/NAP
Start	3627	End	6245
GI	5915837	Score	897
Exons	3627..3723, 3752..4608, 5634..6245		
GI Descrip.	CYTOCHROME P450 71D8 (P450 CP7) gi|3334667|emb|CAA71517| (Y10493) putative cytochrome P450 [Glycine max]		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39602	Strand	+
Start	10312	End	12713
Name	OJ990426_08.9924.C12.o1.gp	Method	AAT/GAP
Start	10312	End	12713
GI	23880_4.R1084	Score	108
Exons	10312..10333, 12065..12105, 12127..12153, 12677..12713		
GI Descrip.	'5777619/emb|CAB53480.1| 4.0e-17 (AJ245900) CAA30377.1 protein [Oryza sativa]'		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39603	Strand	+
Start	17224	End	17485
Name	OJ990426_08.9924.C12.o6.gs	Method	GENSCAN
Start	17224	End	17485
GI	none	Score	.5
Exons	17224..17290, 17391..17485		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39604	Strand	+
Start	24051	End	28502
Name	OJ990426_08.9924.C12.o9.gs	Method	GENSCAN
Start	24051	End	28502
GI	none	Score	.45
Exons	24051..24128, 24185..24451, 24509..25275, 25293..28068, 28443..28502		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39604	Strand	+
Start	24051	End	28502
Name	OJ990426_08.9924.C12.o3.np	Method	AAT/NAP
Start	24287	End	28137
GI	6539558	Score	2733
Exons	24287..28137		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39605	Strand	+
Start	29015	End	30157
Name	OJ990426_08.9924.C12.o5.np	Method	AAT/NAP
Start	29015	End	30157
GI	3695376	Score	153
Exons	29015..29472, 30012..30157		
GI Descrip.	(AF096370) contains similarity to Arabidopsis thaliana reverse transcriptase-like proteins [Arabidopsis thaliana]		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39606	Strand	-
Start	7266	End	8886
Name	OJ990426_08.9924.C12.o3.gs	Method	GENSCAN
Start	7266	End	8880
GI	none	Score	.99
Exons	7266..7904, 8005..8880		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39606	Strand	-
Start	7266	End	8886
Name	OJ990426_08.9924.C12.o2.np	Method	AAT/NAP
Start	7290	End	8886
GI	6739506	Score	987
Exons	7290..7904, 8005..8886		
GI Descrip.	(AF122821) cytochrome P450 [Capsicum annuum]		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39607	Strand	-
Start	10126	End	11882
Name	OJ990426_08.9924.C12.o4.gs	Method	GENSCAN
Start	10126	End	11882
GI	none	Score	.84
Exons	10126..10293, 10532..10699, 10810..10997, 11100..11244, 11673..11882		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39608	Strand	-
Start	13000	End	13117
Name	OJ990426_08.9924.C12.o2.gp	Method	AAT/GAP
Start	13000	End	13117
GI	LIB3475-012-P1-K1-B11	Score	178
Exons	13000..13117		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-29 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12

Gene No.	39609	Strand	-
Start	18524	End	18834
Name	OJ990426_08.9924.C12.o7.gs	Method	GENSCAN
Start	18524	End	18834
GI	none	Score	.57
Exons	18524..18580, 18655..18834		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39610	Strand	-
Start	20440	End	21375
Name	OJ990426_08.9924.C12.o8.gs	Method	GENSCAN
Start	20440	End	21375
GI	none	Score	.64
Exons	20440..20880, 21136..21375		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o5.tc	Method	TBLASTX:Cress
Start	3735	End	8751
GI	none	Score	55
Exons	3735..3803, 3861..4148, 8479..8751		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o5.tm	Method	TBLASTX:Maize
Start	3744	End	8803
GI	none	Score	103
Exons	3744..3815, 3752..3802, 3873..4148, 3876..4145, 4197..4394, 8197..8388, 8201..8389, 8482..8736, 8507..8551, 8745..8789, 8746..8790, 8753..8803		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	3873	End	8778
GI	none	Score	258
Exons	3873..4148, 4197..4454, 5594..6226, 5634..6227, 7284..7568, 7420..7518, 7452..7550, 7575..7646, 7671..7904, 7792..7905, 8131..8391, 8479..8778		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	5633	End	7916
GI	none	Score	103
Exons	5633..5755, 5634..5765, 5766..6224, 5810..6214, 7305..7562, 7405..7527, 7575..7655, 7665..7772, 7782..7916		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o3.tw	Method	TBLASTX:Wheat
Start	5633	End	7905

GI	none	Score	354
Exons	5633..5941, 5634..5942, 7593..7643, 7596..7655, 7641..7694, 7665..7904, 7717..7905		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	5649	End	7904
GI	none	Score	503
Exons	5649..6233, 5702..6148, 7311..7568, 7414..7518, 7575..7658, 7665..7904, 7714..7899		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o4.tw	Method	TBLASTX:Wheat
Start	5969	End	24686
GI	none	Score	313
Exons	5969..6238, 5970..6239, 7287..7562, 7296..7379, 7405..7527, 7443..7574, 24573..24686		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o3.tc	Method	TBLASTX:Cress
Start	10334	End	31782
GI	none	Score	99
Exons	10334..10435, 31425..31565, 31430..31528, 31611..31781, 31612..31782		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o5.ts	Method	TBLASTX:Soybean
Start	10343	End	32143
GI	none	Score	80
Exons	10343..10435, 10592..10702, 10826..11005, 10855..10974, 31430..31528, 31430..31528, 31611..31790, 31612..31788, 31915..32082, 31924..32082, 31949..32143		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o6.tm	Method	TBLASTX:Maize
Start	10343	End	33044
GI	none	Score	89
Exons	10343..10435, 10592..10702, 10820..10960, 10855..10962, 31419..31526, 31420..31518, 31428..31526, 31430..31528, 31611..31790, 31615..31788, 31616..31789, 31915..32151, 31928..32146, 32885..33043, 32885..33043, 32886..33044		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o5.tw	Method	TBLASTX:Wheat
Start	10613	End	32958

GI	none	Score	63
Exons	10613..10702, 10614..10700, 10820..10957, 10855..10962, 31611..31658, 31615..31656, 31695..31790, 31696..31788, 31924..32118, 31928..32146, 31929..32111, 31930..32145, 32881..32958		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o8.tm	Method	TBLASTX:Maize
Start	24400	End	24724
GI	none	Score	227
Exons	24400..24519, 24401..24724, 24607..24711		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o6.ts	Method	TBLASTX:Soybean
Start	25396	End	25725
GI	none	Score	235
Exons	25396..25725, 25492..25572		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	25531	End	26091
GI	none	Score	344
Exons	25531..25995, 25563..25985, 26001..26078, 26002..26091		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o2.tm	Method	TBLASTX:Maize
Start	25734	End	26163
GI	none	Score	442
Exons	25734..26063, 25738..26079, 26092..26163, 26103..26162		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o6.tc	Method	TBLASTX:Cress
Start	25756	End	26169
GI	none	Score	234
Exons	25756..26169, 25782..25982		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o3.ts	Method	TBLASTX:Soybean
Start	25765	End	26256
GI	none	Score	412
Exons	25765..26256, 25770..26138		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613

Name	OJ990426_08.9924.C12.o2.ts	Method	TBLASTX:Soybean
Start	26587	End	27084
GI	5509260	Score	468
Exons	26587..27084, 26589..26876, 26907..27065		
GI Descrip.	-		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o4.tm	Method	TBLASTX:Maize
Start	26614	End	26934
GI	none	Score	403
Exons	26614..26934, 26616..26933, 26656..26934		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o4.tc	Method	TBLASTX:Cress
Start	26700	End	26973
GI	none	Score	276
Exons	26700..26954, 26701..26973, 26725..26964		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o2.tw	Method	TBLASTX:Wheat
Start	26755	End	27294
GI	none	Score	314
Exons	26755..27099, 26772..26885, 26910..27062, 27088..27294		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o7.tm	Method	TBLASTX:Maize
Start	26935	End	27327
GI	none	Score	248
Exons	26935..27327, 26955..27065		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o6.np	Method	AAT/NAP
Start	27060	End	32027
GI	6063557	Score	124
Exons	27060..27090, 29483..29762, 31969..32027		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o6.tw	Method	TBLASTX:Wheat
Start	27310	End	27702
GI	none	Score	69
Exons	27310..27414, 27439..27633, 27649..27702		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-

Start	27060	End	33613
Name	OJ990426_08.9924.C12.o3.tm	Method	TBLASTX:Maize
Start	27334	End	27855
GI	none	Score	256
Exons	27334..27639, 27436..27606, 27649..27855, 27654..27854		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o2.tc	Method	TBLASTX:Cress
Start	27438	End	28134
GI	none	Score	169
Exons	27438..27632, 27439..27633, 27646..27735, 27663..27710, 27739..27882, 27744..27896, 27886..27975, 27894..28064, 28027..28104, 28069..28134		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o4.ts	Method	TBLASTX:Soybean
Start	27460	End	28101
GI	none	Score	135
Exons	27460..27621, 27646..28101, 27924..28061		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o10.tm	Method	TBLASTX:Maize
Start	27885	End	28101
GI	none	Score	185
Exons	27885..28100, 27886..28101		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o4.np	Method	AAT/NAP
Start	28809	End	30234
GI	5852084	Score	90
Exons	28809..28892, 29880..29926, 30151..30234		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o9.tm	Method	TBLASTX:Maize
Start	29030	End	29395
GI	none	Score	194
Exons	29030..29395		

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o3.gp	Method	AAT/GAP
Start	30984	End	33044
GI	36132_2.R1084	Score	2058
Exons	30984..31516, 31614..31787, 31930..32156, 32886..33044		
GI Descrip.	'5902382/gb|AAD55484.1|AC009322_24 1.0e-29 (AC009322) Unknown		

protein [Arabidopsis thaliana]'

Seq. No.	18894	Seq. ID	OJ990426_08.9924.C12
Gene No.	39611	Strand	-
Start	27060	End	33613
Name	OJ990426_08.9924.C12.o7.np	Method	AAT/NAP
Start	31433	End	33613
GI	5902382	Score	292
Exons	31433..31516, 31614..31787, 31930..32132, 33573..33613		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39612	Strand	+
Start	260	End	953
Name	OJ990426_08.9924.C13.o1.gs	Method	GENSCAN
Start	260	End	953
GI	none	Score	.85
Exons	260..296, 823..953		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39613	Strand	+
Start	17991	End	19806
Name	OJ990426_08.9924.C13.o3.np	Method	AAT/NAP
Start	17991	End	19806
GI	6539570	Score	146
Exons	17991..18209, 19762..19806		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39614	Strand	-
Start	1	End	96
Name	OJ990426_08.9924.C13.o1.gp	Method	AAT/GAP
Start	1	End	96
GI	none	Score	176
Exons	1..96		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o2.gp	Method	AAT/GAP
Start	3203	End	3953
GI	none	Score	1332
Exons	3203..3953		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o2.gs	Method	GENSCAN
Start	3674	End	17734
GI	none	Score	.86
Exons	3674..3952, 4638..4856, 6232..6474, 6573..6737, 6904..7577, 7703..7811, 7921..8013, 9642..9770, 10415..10434, 10870..11001, 11203..11368, 12773..12898, 13458..13542, 14153..14242, 15329..15481, 15534..15715, 15795..15996, 17595..17734		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-

Start	3203	End	17734
Name	OJ990426_08.9924.C13.o2.tm	Method	TBLASTX:Maize
Start	3773	End	7021
GI	none	Score	129
Exons	3773..3955, 3773..3967, 3868..3960, 4633..4836, 4638..4826, 4638..4862, 4639..4857, 6228..6263, 6231..6473, 6262..6366, 6287..6481, 6560..6739, 6573..6740, 6576..6734, 6583..6765, 6901..7020, 6901..7020, 6902..7021		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o1.np	Method	AAT/NAP
Start	3942	End	10962
GI	2827621	Score	811
Exons	3942..3973, 4655..4856, 6232..6474, 6573..6737, 6904..7578, 7662..7811, 7921..8013, 8627..8747, 9607..9770, 10870..10962		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o2.ts	Method	TBLASTX:Soybean
Start	6576	End	7275
GI	none	Score	77
Exons	6576..6740, 6576..6734, 6893..7045, 6901..7059, 7129..7275, 7130..7249		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o3.tm	Method	TBLASTX:Maize
Start	7148	End	7802
GI	none	Score	192
Exons	7148..7342, 7150..7350, 7314..7433, 7315..7437, 7336..7437, 7547..7573, 7699..7797, 7700..7798, 7703..7798, 7704..7799, 7704..7802		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o4.tm	Method	TBLASTX:Maize
Start	8610	End	10995
GI	none	Score	153
Exons	8610..8723, 8626..8724, 8627..8725, 8636..8725, 9624..9794, 9642..9770, 10854..10937, 10855..10935, 10870..10995, 10889..10957		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o3.gp	Method	AAT/GAP
Start	12634	End	15896
GI	20862_1.R1084	Score	1511
Exons	12634..12898, 13162..13256, 13458..13542, 14153..14242, 15329..15436, 15534..15715, 15795..15896		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-102 (AC007727) Identical		

to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o2.np	Method	AAT/NAP
Start	12853	End	15721
GI	2982322	Score	778
Exons	12853..12898, 13162..13256, 13458..13542, 14153..14242, 15329..15436, 15534..15721		
GI Descrip.	(AF051246) probable proteasome subunit [Picea mariana]		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	13161	End	15730
GI	none	Score	80
Exons	13161..13256, 13162..13272, 13438..13545, 13440..13544, 13454..13558, 14149..14244, 14152..14244, 14156..14245, 14159..14245, 15328..15435, 15329..15436, 15531..15716, 15533..15730		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	13161	End	15730
GI	none	Score	76
Exons	13161..13256, 13162..13233, 13412..13531, 13458..13532, 13458..13544, 13459..13542, 14152..14244, 14153..14245, 14153..14245, 15326..15403, 15328..15435, 15329..15436, 15531..15716, 15533..15730, 15533..15724, 15649..15729		

Seq. No.	18895	Seq. ID	OJ990426_08.9924.C13
Gene No.	39615	Strand	-
Start	3203	End	17734
Name	OJ990426_08.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	14158	End	15717
GI	none	Score	130
Exons	14158..14244, 14159..14245, 14159..14245, 15328..15435, 15329..15433, 15533..15715, 15537..15716, 15649..15717		

Seq. No.	18896	Seq. ID	OJ990426_08.9924.C20
Gene No.	39616	Strand	-
Start	602	End	801
Name	OJ990426_08.9924.C20.o1.gp	Method	AAT/GAP
Start	602	End	801
GI	700067	Score	384
Exons	602..801		

Seq. No.	18897	Seq. ID	OJ990426_08.9924.C22
Gene No.	39617	Strand	-
Start	1	End	634
Name	OJ990426_08.9924.C22.o1.np	Method	AAT/NAP
Start	1	End	634

GI	3550983	Score	275
Exons	1..148, 242..319, 394..444, 570..634		
GI Descrip.	(AB010690) mutM homologue-2 [Arabidopsis thaliana] gi|3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] gi|5903054|gb|AAD55613.1|AC008016_23 (AC008016) Identical to gb|AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb|Z18192 comes from this gene.		

Seq. No.	18897	Seq. ID	OJ990426_08.9924.C22
Gene No.	39618	Strand	-
Start	561	End	634
Name	OJ990426_08.9924.C22.o1.tm	Method	TBLASTX:Maize
Start	31	End	605
GI	none	Score	135
Exons	31..150, 38..169, 44..160, 231..320, 236..331, 237..320, 238..327, 239..328, 390..446, 394..447, 396..461, 406..495, 565..603, 565..603, 567..605, 567..605		

Seq. No.	18897	Seq. ID	OJ990426_08.9924.C22
Gene No.	39618	Strand	-
Start	561	End	634
Name	OJ990426_08.9924.C22.o1.tc	Method	TBLASTX:Cress
Start	41	End	632
GI	none	Score	68
Exons	41..160, 44..151, 77..157, 236..331, 240..317, 386..439, 406..453, 570..632		

Seq. No.	18897	Seq. ID	OJ990426_08.9924.C22
Gene No.	39618	Strand	-
Start	561	End	634
Name	OJ990426_08.9924.C22.o1.gp	Method	AAT/GAP
Start	561	End	634
GI	LIB3431-058-P1-K1-A9	Score	120
Exons	561..634		
GI Descrip.	'3550983/dbj|BAA32703| 5.0e-34 (AB010690) mutM homologue-2 [Arabidopsis thaliana] >gi_3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] >gi_5903054_gb_AAD55613.1_AC008016_23 (AC008016) Identical to gb_AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	18898	Seq. ID	OJ990426_08.9924.C23
Gene No.	39619	Strand	+
Start	3929	End	6980
Name	OJ990426_08.9924.C23.o1.gp	Method	AAT/GAP
Start	3929	End	6118
GI	66948_1.R1084	Score	975
Exons	3929..4242, 4344..4439, 4827..4881, 6044..6118		
GI Descrip.	'4539340/emb|CAB37488.1| 2.0e-11 (AL035539) putative protein [Arabidopsis thaliana]'		

Seq. No.	18898	Seq. ID	OJ990426_08.9924.C23
Gene No.	39619	Strand	+
Start	3929	End	6980
Name	OJ990426_08.9924.C23.o1.gs	Method	GENSCAN

Start	3977	End	5357
GI	none	Score	.78
Exons	3977..4242, 4344..4439, 4827..4881, 5241..5357		

Seq. No.	18898	Seq. ID	OJ990426_08.9924.C23
Gene No.	39619	Strand	+
Start	3929	End	6980
Name	OJ990426_08.9924.C23.o1.np	Method	AAT/NAP
Start	3992	End	6727
GI	4468993	Score	679
Exons	3992..4242, 4344..4518, 5442..5563, 6128..6727		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	18898	Seq. ID	OJ990426_08.9924.C23
Gene No.	39619	Strand	+
Start	3929	End	6980
Name	OJ990426_08.9924.C23.o1.ts	Method	TBLASTX:Soybean
Start	4103	End	6727
GI	none	Score	179
Exons	4103..4246, 4114..4248, 4169..4246, 6137..6727, 6139..6471, 6562..6639		

Seq. No.	18898	Seq. ID	OJ990426_08.9924.C23
Gene No.	39619	Strand	+
Start	3929	End	6980
Name	OJ990426_08.9924.C23.o2.tm	Method	TBLASTX:Maize
Start	4196	End	4914
GI	none	Score	81
Exons	4196..4246, 4199..4267, 4341..4439, 4345..4440, 4364..4411, 4396..4440, 4821..4880, 4825..4875, 4827..4880, 4828..4914		

Seq. No.	18898	Seq. ID	OJ990426_08.9924.C23
Gene No.	39619	Strand	+
Start	3929	End	6980
Name	OJ990426_08.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	6136	End	6475
GI	none	Score	438
Exons	6136..6471, 6137..6475		

Seq. No.	18898	Seq. ID	OJ990426_08.9924.C23
Gene No.	39619	Strand	+
Start	3929	End	6980
Name	OJ990426_08.9924.C23.o1.tc	Method	TBLASTX:Cress
Start	6295	End	6727
GI	none	Score	295
Exons	6295..6471, 6296..6727, 6562..6636		

Seq. No.	18898	Seq. ID	OJ990426_08.9924.C23
Gene No.	39619	Strand	+
Start	3929	End	6980
Name	OJ990426_08.9924.C23.o2.gp	Method	AAT/GAP
Start	6603	End	6980
GI	700067	Score	723
Exons	6603..6980		

Seq. No.	18899	Seq. ID	OJ990426_08.9924.C24
Gene No.	39620	Strand	+

Start	1	End	1003
Name	OJ990426_08.9924.C24.o1.np	Method	AAT/NAP
Start	1	End	1003
GI	3550983	Score	203
Exons	1..32, 60..110, 185..242, 787..855, 947..1003		
GI Descrip.	(AB010690) mutM homologue-2 [Arabidopsis thaliana] gi|3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] gi|5903054|gb|AAD55613.1|AC008016_23 (AC008016) Identical to gb|AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb|Z18192 comes from this gene.		

Seq. No.	18899	Seq. ID	OJ990426_08.9924.C24
Gene No.	39620	Strand	+
Start	1	End	1003
Name	OJ990426_08.9924.C24.o1.gp	Method	AAT/GAP
Start	59	End	242
GI	LIB3431-058-P1-K1-A9	Score	161
Exons	59..110, 185..242		
GI Descrip.	'3550983/dbj|BAA32703| 5.0e-34 (AB010690) mutM homologue-2 [Arabidopsis thaliana] >gi_3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] >gi_5903054_gb_AAD55613.1_AC008016_23 (AC008016) Identical to gb_AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	18899	Seq. ID	OJ990426_08.9924.C24
Gene No.	39620	Strand	+
Start	1	End	1003
Name	OJ990426_08.9924.C24.o2.gp	Method	AAT/GAP
Start	59	End	242
GI	LIB3431-058-P1-K1-A9	Score	159
Exons	59..110, 185..242		
GI Descrip.	'3550983/dbj|BAA32703| 5.0e-34 (AB010690) mutM homologue-2 [Arabidopsis thaliana] >gi_3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] >gi_5903054_gb_AAD55613.1_AC008016_23 (AC008016) Identical to gb_AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	18899	Seq. ID	OJ990426_08.9924.C24
Gene No.	39620	Strand	+
Start	1	End	1003
Name	OJ990426_08.9924.C24.o1.gs	Method	GENSCAN
Start	151	End	855
GI	none	Score	.66
Exons	151..242, 738..855		

Seq. No.	18900	Seq. ID	OJ990426_08.9924.C25
Gene No.	39621	Strand	-
Start	1	End	293
Name	OJ990426_08.9924.C25.o1.gp	Method	AAT/GAP
Start	1	End	293
GI	none	Score	574
Exons	1..293		

Seq. No.	18900	Seq. ID	OJ990426_08.9924.C25
Gene No.	39622	Strand	-
Start	2206	End	3041
Name	OJ990426_08.9924.C25.o2.gp	Method	AAT/GAP
Start	1597	End	2331
GI	36398_1.R1084	Score	864
Exons	1597..1859, 2149..2331		
GI Descrip.	'1531756/emb|CAA57810| 2.0e-16 (X82413) proline-rich-like protein [Asparagus officinalis]'		

Seq. No.	18900	Seq. ID	OJ990426_08.9924.C25
Gene No.	39622	Strand	-
Start	2206	End	3041
Name	OJ990426_08.9924.C25.o1.ts	Method	TBLASTX:Soybean
Start	2200	End	2473
GI	none	Score	182
Exons	2200..2472, 2201..2473		

Seq. No.	18900	Seq. ID	OJ990426_08.9924.C25
Gene No.	39622	Strand	-
Start	2206	End	3041
Name	OJ990426_08.9924.C25.o1.gs	Method	GENSCAN
Start	2206	End	2973
GI	none	Score	1
Exons	2206..2973		

Seq. No.	18900	Seq. ID	OJ990426_08.9924.C25
Gene No.	39622	Strand	-
Start	2206	End	3041
Name	OJ990426_08.9924.C25.o1.tc	Method	TBLASTX:Cress
Start	2206	End	2464
GI	none	Score	203
Exons	2206..2460, 2210..2464		

Seq. No.	18900	Seq. ID	OJ990426_08.9924.C25
Gene No.	39622	Strand	-
Start	2206	End	3041
Name	OJ990426_08.9924.C25.o1.np	Method	AAT/NAP
Start	2209	End	2970
GI	1531756	Score	537
Exons	2209..2606, 2685..2802, 2924..2970		
GI Descrip.	(X82413) proline-rich-like protein [Asparagus officinalis]		

Seq. No.	18900	Seq. ID	OJ990426_08.9924.C25
Gene No.	39622	Strand	-
Start	2206	End	3041
Name	OJ990426_08.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	2215	End	2473
GI	none	Score	156
Exons	2215..2280, 2260..2460, 2272..2472, 2312..2473		

Seq. No.	18900	Seq. ID	OJ990426_08.9924.C25
Gene No.	39622	Strand	-
Start	2206	End	3041
Name	OJ990426_08.9924.C25.o3.gp	Method	AAT/GAP
Start	2530	End	3041

GI	none	Score	960
Exons	2530..3041		

Seq. No.	18901	Seq. ID	OJ990426_08.9924.C26
Gene No.	39623	Strand	+
Start	174	End	377
Name	OJ990426_08.9924.C26.o1.gs	Method	GENSCAN
Start	174	End	377
GI	none	Score	.77
Exons	174..377		

Seq. No.	18902	Seq. ID	OJ990426_08.9924.C27
Gene No.	39624	Strand	-
Start	5007	End	9554
Name	OJ990426_08.9924.C27.o1.gp	Method	AAT/GAP
Start	5007	End	8105
GI	3133_1.R1084	Score	1948
Exons	5007..5290, 7345..8105		
GI Descrip.	'5903092/gb|AAD55650.1|AC008017_23 8.0e-76 (AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]'		

Seq. No.	18902	Seq. ID	OJ990426_08.9924.C27
Gene No.	39624	Strand	-
Start	5007	End	9554
Name	OJ990426_08.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	5213	End	7994
GI	none	Score	66
Exons	5213..5278, 5215..5277, 7354..7434, 7354..7413, 7390..7686, 7459..7686, 7460..7687, 7692..7724, 7692..7841, 7693..7989, 7899..7994		

Seq. No.	18902	Seq. ID	OJ990426_08.9924.C27
Gene No.	39624	Strand	-
Start	5007	End	9554
Name	OJ990426_08.9924.C27.o1.tc	Method	TBLASTX:Cress
Start	7360	End	7977
GI	none	Score	67
Exons	7360..7413, 7423..7524, 7459..7689, 7463..7687, 7576..7689, 7687..7977, 7692..7841, 7899..7976		

Seq. No.	18902	Seq. ID	OJ990426_08.9924.C27
Gene No.	39624	Strand	-
Start	5007	End	9554
Name	OJ990426_08.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	7360	End	7991
GI	none	Score	112
Exons	7360..7413, 7444..7524, 7445..7528, 7459..7560, 7460..7561, 7561..7692, 7562..7693, 7692..7742, 7693..7767, 7743..7799, 7744..7800, 7800..7841, 7801..7986, 7899..7991		

Seq. No.	18902	Seq. ID	OJ990426_08.9924.C27
Gene No.	39624	Strand	-
Start	5007	End	9554
Name	OJ990426_08.9924.C27.o2.gs	Method	GENSCAN
Start	7360	End	9554
GI	none	Score	.6
Exons	7360..7641, 7710..8014, 8199..8342, 8856..9554		

Seq. No.	18902	Seq. ID	OJ990426_08.9924.C27
Gene No.	39624	Strand	-
Start	5007	End	9554
Name	OJ990426_08.9924.C27.o1.np	Method	AAT/NAP
Start	7363	End	7976
GI	5903092	Score	828
Exons	7363..7976		
GI Descrip.	(AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]		

Seq. No.	18902	Seq. ID	OJ990426_08.9924.C27
Gene No.	39624	Strand	-
Start	5007	End	9554
Name	OJ990426_08.9924.C27.o1.tw	Method	TBLASTX:Wheat
Start	7690	End	7986
GI	none	Score	337
Exons	7690..7722, 7692..7841, 7693..7986, 7899..7985		

Seq. No.	18903	Seq. ID	OJ990426_08.9924.C28
Gene No.	39625	Strand	+
Start	58	End	570
Name	OJ990426_08.9924.C28.o1.gp	Method	AAT/GAP
Start	58	End	570
GI	3133_1.R1084	Score	929
Exons	58..570		
GI Descrip.	'5903092/gb|AAD55650.1|AC008017_23 8.0e-76 (AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]'		

Seq. No.	18903	Seq. ID	OJ990426_08.9924.C28
Gene No.	39626	Strand	-
Start	1	End	459
Name	OJ990426_08.9924.C28.o1.np	Method	AAT/NAP
Start	1	End	441
GI	5903092	Score	557
Exons	1..441		
GI Descrip.	(AC008017) Highly similar to developmental protein DG1118 [Arabidopsis thaliana]		

Seq. No.	18903	Seq. ID	OJ990426_08.9924.C28
Gene No.	39626	Strand	-
Start	1	End	459
Name	OJ990426_08.9924.C28.o1.tc	Method	TBLASTX:Cress
Start	58	End	442
GI	none	Score	147
Exons	58..303, 58..306, 59..442, 364..441		

Seq. No.	18903	Seq. ID	OJ990426_08.9924.C28
Gene No.	39626	Strand	-
Start	1	End	459
Name	OJ990426_08.9924.C28.o1.tm	Method	TBLASTX:Maize
Start	58	End	459
GI	none	Score	197
Exons	58..195, 58..306, 59..454, 364..459		

Seq. No.	18903	Seq. ID	OJ990426_08.9924.C28
Gene No.	39626	Strand	-

Start	1	End	459
Name	OJ990426_08.9924.C28.o1.ts	Method	TBLASTX:Soybean
Start	58	End	456
GI	none	Score	144
Exons	58..195, 58..207, 208..264, 242..265, 265..306, 266..451, 364..456		

Seq. No.	18903	Seq. ID	OJ990426_08.9924.C28
Gene No.	39626	Strand	-
Start	1	End	459
Name	OJ990426_08.9924.C28.o1.tw	Method	TBLASTX:Wheat
Start	146	End	451
GI	none	Score	285
Exons	146..451, 148..306, 364..450		

Seq. No.	18904	Seq. ID	OJ990426_08.9924.C29
Gene No.	39627	Strand	+
Start	1	End	760
Name	OJ990426_08.9924.C29.o1.np	Method	AAT/NAP
Start	1	End	760
GI	5922620	Score	347
Exons	1..82, 109..276, 324..500, 537..760		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18905	Seq. ID	OJ990426_08.9924.C30
Gene No.	39628	Strand	+
Start	256	End	373
Name	OJ990426_08.9924.C30.o1.gs	Method	GENSCAN
Start	256	End	373
GI	none	Score	.74
Exons	256..373		

Seq. No.	18906	Seq. ID	OJ990426_08.9924.C32
Gene No.	39629	Strand	-
Start	1255	End	1365
Name	OJ990426_08.9924.C32.o1.gp	Method	AAT/GAP
Start	1255	End	1365
GI	20862_1.R1084	Score	176
Exons	1255..1365		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-102 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'		

Seq. No.	18907	Seq. ID	OJ990426_08.9924.C33
Gene No.	39630	Strand	-
Start	1	End	362
Name	OJ990426_08.9924.C33.o1.np	Method	AAT/NAP
Start	1	End	362
GI	2827621	Score	115
Exons	1..152, 262..362		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	18907	Seq. ID	OJ990426_08.9924.C33

Gene No.	39630	Strand	-
Start	1	End	362
Name	OJ990426_08.9924.C33.o1.tm	Method	TBLASTX:Maize
Start	40	End	354
GI	none	Score	140
Exons	40..153, 45..155, 45..155, 262..354, 264..344, 287..352		

Seq. No.	18907	Seq. ID	OJ990426_08.9924.C33
Gene No.	39630	Strand	-
Start	1	End	362
Name	OJ990426_08.9924.C33.o1.gs	Method	GENSCAN
Start	44	End	354
GI	none	Score	.75
Exons	44..152, 262..354		

Seq. No.	18908	Seq. ID	OJ990426_08.9924.C38
Gene No.	39631	Strand	+
Start	1	End	917
Name	OJ990426_08.9924.C38.o1.np	Method	AAT/NAP
Start	1	End	917
GI	5295955	Score	112
Exons	1..21, 387..459, 574..917		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	18908	Seq. ID	OJ990426_08.9924.C38
Gene No.	39631	Strand	+
Start	1	End	917
Name	OJ990426_08.9924.C38.o1.gs	Method	GENSCAN
Start	391	End	733
GI	none	Score	1
Exons	391..733		

Seq. No.	18909	Seq. ID	OJ990426_08.9924.C39
Gene No.	39632	Strand	-
Start	79	End	199
Name	OJ990426_08.9924.C39.o1.gs	Method	GENSCAN
Start	79	End	199
GI	none	Score	.87
Exons	79..199		

Seq. No.	18910	Seq. ID	OJ990426_08.9924.C40
Gene No.	39633	Strand	+
Start	1	End	277
Name	OJ990426_08.9924.C40.o1.gp	Method	AAT/GAP
Start	1	End	277
GI	none	Score	478
Exons	1..277		

Seq. No.	18910	Seq. ID	OJ990426_08.9924.C40
Gene No.	39634	Strand	-
Start	154	End	1208
Name	OJ990426_08.9924.C40.o1.gs	Method	GENSCAN
Start	154	End	850
GI	none	Score	.56
Exons	154..489, 758..850		

Seq. No.	18910	Seq. ID	OJ990426_08.9924.C40
Gene No.	39634	Strand	-
Start	154	End	1208
Name	OJ990426_08.9924.C40.o1.tm	Method	TBLASTX:Maize
Start	380	End	1153
GI	none	Score	65
Exons	380..409, 430..489, 437..478, 571..615, 577..615, 747..803, 753..803, 757..825, 828..881, 828..872, 943..1032, 948..1043, 949..1032, 951..1040, 1106..1153, 1107..1151, 1118..1153		

Seq. No.	18910	Seq. ID	OJ990426_08.9924.C40
Gene No.	39634	Strand	-
Start	154	End	1208
Name	OJ990426_08.9924.C40.o2.gp	Method	AAT/GAP
Start	448	End	834
GI	LIB3431-008-P1-K1-E9	Score	329
Exons	448..614, 758..834		
GI Descrip.	'3550982/dbj|BAA32702| 1.0e-10 (AB010690) mutM homologue-1 [Arabidopsis thaliana] >gi_5903053_gb_AAD55612.1_AC008016_22 (AC008016) Identical to gb_AB010690 mutM homologue-1 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	18910	Seq. ID	OJ990426_08.9924.C40
Gene No.	39634	Strand	-
Start	154	End	1208
Name	OJ990426_08.9924.C40.o1.np	Method	AAT/NAP
Start	698	End	1208
GI	3550983	Score	179
Exons	698..860, 954..1031, 1106..1208		
GI Descrip.	(AB010690) mutM homologue-2 [Arabidopsis thaliana] gi|3820622 (AF099971) putative formamidopyrimidine-DNA glycosylase 2 [Arabidopsis thaliana] gi|5903054|gb|AAD55613.1|AC008016_23 (AC008016) Identical to gb|AB010690 mutM homologue-2 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb|Z18192 comes from this gene.		

Seq. No.	18911	Seq. ID	OJ990426_08.9924.C41
Gene No.	39635	Strand	-
Start	101	End	470
Name	OJ990426_08.9924.C41.o1.gs	Method	GENSCAN
Start	101	End	470
GI	none	Score	.62
Exons	101..470		

Seq. No.	18912	Seq. ID	OJ990426_08.9924.C42
Gene No.	39636	Strand	+
Start	135	End	885
Name	OJ990426_08.9924.C42.o1.gs	Method	GENSCAN
Start	135	End	885
GI	none	Score	.63
Exons	135..337, 451..640, 682..885		

Seq. No.	18913	Seq. ID	OJ990426_08.9924.C44
Gene No.	39637	Strand	+
Start	27	End	186
Name	OJ990426_08.9924.C44.o1.gs	Method	GENSCAN

Start	27	End	186
GI	none	Score	.44
Exons	27..186		

Seq. No.	18914	Seq. ID	OJ990426_08.9924.C46
Gene No.	39638	Strand	+
Start	1	End	715
Name	OJ990426_08.9924.C46.o1.np	Method	AAT/NAP
Start	1	End	496
GI	5263324	Score	136
Exons	1..35, 93..187, 451..496		
GI Descrip.	(AC007727) Identical to gb|Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb|T76747 comes from this gene.		

Seq. No.	18914	Seq. ID	OJ990426_08.9924.C46
Gene No.	39638	Strand	+
Start	1	End	715
Name	OJ990426_08.9924.C46.o1.gp	Method	AAT/GAP
Start	92	End	715
GI	20862_1.R1084	Score	662
Exons	92..187, 451..715		
GI Descrip.	'5263324/gb|AAD41426.1|AC007727_15 1.0e-102 (AC007727) Identical to gb_Y13173 Arabidopsis thaliana mRNA for proteasome subunit. EST gb_T76747 comes from this gene'		

Seq. No.	18915	Seq. ID	OJ990426_08.9924.C49
Gene No.	39639	Strand	+
Start	292	End	621
Name	OJ990426_08.9924.C49.o1.gs	Method	GENSCAN
Start	292	End	621
GI	none	Score	.86
Exons	292..621		

Seq. No.	18916	Seq. ID	OJ990426_08.9924.C50
Gene No.	39640	Strand	+
Start	287	End	619
Name	OJ990426_08.9924.C50.o1.gs	Method	GENSCAN
Start	287	End	615
GI	none	Score	.73
Exons	287..404, 506..615		

Seq. No.	18916	Seq. ID	OJ990426_08.9924.C50
Gene No.	39640	Strand	+
Start	287	End	619
Name	OJ990426_08.9924.C50.o1.np	Method	AAT/NAP
Start	304	End	619
GI	2827621	Score	113
Exons	304..396, 510..619		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	18916	Seq. ID	OJ990426_08.9924.C50
Gene No.	39640	Strand	+
Start	287	End	619
Name	OJ990426_08.9924.C50.o1.tm	Method	TBLASTX:Maize
Start	304	End	619
GI	none	Score	99
Exons	304..396, 306..422, 510..614, 510..614, 524..619		

Seq. No.	18917	Seq. ID	OJ990426_08.9924.C51
Gene No.	39641	Strand	+
Start	166	End	294
Name	OJ990426_08.9924.C51.o1.gs	Method	GENSCAN
Start	166	End	294
GI	none	Score	.64
Exons	166..294		

Seq. No.	18917	Seq. ID	OJ990426_08.9924.C51
Gene No.	39642	Strand	-
Start	231	End	327
Name	OJ990426_08.9924.C51.o1.gp	Method	AAT/GAP
Start	231	End	327
GI	36132_2.R1084	Score	153
Exons	231..327		
GI Descrip.	'5902382/gb|AAD55484.1|AC009322_24 1.0e-29 (AC009322) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	18918	Seq. ID	OJ990426_08.9924.C52
Gene No.	39643	Strand	-
Start	61	End	700
Name	OJ990426_08.9924.C52.o1.gs	Method	GENSCAN
Start	61	End	669
GI	none	Score	.44
Exons	61..435, 457..669		

Seq. No.	18918	Seq. ID	OJ990426_08.9924.C52
Gene No.	39643	Strand	-
Start	61	End	700
Name	OJ990426_08.9924.C52.o1.ts	Method	TBLASTX:Soybean
Start	154	End	600
GI	none	Score	69
Exons	154..441, 448..600, 500..583		

Seq. No.	18918	Seq. ID	OJ990426_08.9924.C52
Gene No.	39643	Strand	-
Start	61	End	700
Name	OJ990426_08.9924.C52.o1.tm	Method	TBLASTX:Maize
Start	211	End	700
GI	none	Score	73
Exons	211..426, 215..427, 226..441, 251..442, 451..588, 461..589, 463..612, 613..699, 638..700		

Seq. No.	18919	Seq. ID	OJ990426_05.9924.C1
Gene No.	39644	Strand	+
Start	1	End	777
Name	OJ990426_05.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	774
GI	6630685	Score	799
Exons	1..774		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	18919	Seq. ID	OJ990426_05.9924.C1
Gene No.	39644	Strand	+
Start	1	End	777

Name	OJ990426_05.9924.C1.o1.gs	Method	GENSCAN
Start	19	End	777
GI	none	Score	.9
Exons	19..777		

Seq. No.	18919	Seq. ID	OJ990426_05.9924.C1
Gene No.	39645	Strand	+
Start	1983	End	4124
Name	OJ990426_05.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	100	End	756
GI	none	Score	709
Exons	100..756, 108..614, 340..741		

Seq. No.	18919	Seq. ID	OJ990426_05.9924.C1
Gene No.	39645	Strand	+
Start	1983	End	4124
Name	OJ990426_05.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	118	End	786
GI	none	Score	263
Exons	118..507, 309..464, 526..786, 540..611		

Seq. No.	18919	Seq. ID	OJ990426_05.9924.C1
Gene No.	39645	Strand	+
Start	1983	End	4124
Name	OJ990426_05.9924.C1.o1.tw	Method	TBLASTX:Wheat
Start	256	End	711
GI	none	Score	121
Exons	256..516, 520..711, 535..711		

Seq. No.	18919	Seq. ID	OJ990426_05.9924.C1
Gene No.	39645	Strand	+
Start	1983	End	4124
Name	OJ990426_05.9924.C1.o1.tc	Method	TBLASTX:Cress
Start	391	End	756
GI	none	Score	89
Exons	391..522, 511..756		

Seq. No.	18919	Seq. ID	OJ990426_05.9924.C1
Gene No.	39645	Strand	+
Start	1983	End	4124
Name	OJ990426_05.9924.C1.o2.gs	Method	GENSCAN
Start	1983	End	3323
GI	none	Score	.84
Exons	1983..2052, 2755..2997, 3163..3323		

Seq. No.	18919	Seq. ID	OJ990426_05.9924.C1
Gene No.	39645	Strand	+
Start	1983	End	4124
Name	OJ990426_05.9924.C1.o2.np	Method	AAT/NAP
Start	2716	End	4124
GI	6539588	Score	212
Exons	2716..2993, 4099..4124		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	18920	Seq. ID	OJ990426_05.9924.C2
Gene No.	39646	Strand	-
Start	3717	End	5393

Name	OJ990426_05.9924.C2.o1.np	Method	AAT/NAP
Start	3717	End	5393
GI	6539588	Score	186
Exons	3717..3745, 5094..5393		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	18920	Seq. ID	OJ990426_05.9924.C2
Gene No.	39647	Strand	-
Start	5861	End	7109
Name	OJ990426_05.9924.C2.o2.np	Method	AAT/NAP
Start	5861	End	7109
GI	6907086	Score	729
Exons	5861..6209, 6440..6685, 6746..7109		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39648	Strand	+
Start	844	End	1437
Name	OJ990426_05.9924.C3.o1.gs	Method	GENSCAN
Start	844	End	1437
GI	none	Score	.78
Exons	844..898, 1364..1437		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39649	Strand	+
Start	7804	End	16712
Name	OJ990426_05.9924.C3.o3.gs	Method	GENSCAN
Start	7804	End	12275
GI	none	Score	.83
Exons	7804..7933, 8216..10211, 10304..12275		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39649	Strand	+
Start	7804	End	16712
Name	OJ990426_05.9924.C3.o4.np	Method	AAT/NAP
Start	8266	End	12462
GI	5295971	Score	3500
Exons	8266..9175, 9203..12462		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39649	Strand	+
Start	7804	End	16712
Name	OJ990426_05.9924.C3.o5.np	Method	AAT/NAP
Start	10240	End	16712
GI	4680207	Score	1071
Exons	10240..10303, 11322..11393, 13370..14192, 15591..16712		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39649	Strand	+
Start	7804	End	16712
Name	OJ990426_05.9924.C3.o4.gs	Method	GENSCAN
Start	13372	End	16614

GI	none	Score	.58
Exons	13372..13927, 14057..14192, 15984..16614		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39650	Strand	-
Start	1	End	1754
Name	OJ990426_05.9924.C3.o1.gp	Method	AAT/GAP
Start	1	End	101
GI	5667165	Score	177
Exons	1..101		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39650	Strand	-
Start	1	End	1754
Name	OJ990426_05.9924.C3.o2.np	Method	AAT/NAP
Start	1	End	912
GI	6907088	Score	465
Exons	1..24, 365..599, 775..912		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39650	Strand	-
Start	1	End	1754
Name	OJ990426_05.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	1754
GI	6069659	Score	123
Exons	1..51, 98..256, 1731..1754		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39651	Strand	-
Start	3281	End	4704
Name	OJ990426_05.9924.C3.o3.np	Method	AAT/NAP
Start	3281	End	4704
GI	4416302	Score	1415
Exons	3281..4704		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o2.ts	Method	TBLASTX:Soybean
Start	3272	End	12437
GI	none	Score	54
Exons	3272..3532, 3354..3518, 3551..3940, 3594..3836, 11787..11957, 11958..12437, 11960..12157, 12120..12380		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o1.tc	Method	TBLASTX:Cress
Start	3302	End	12431
GI	none	Score	267
Exons	3302..3547, 3536..3667, 11756..11881, 11757..12053, 11987..12058, 12063..12179, 12071..12157, 12177..12431,		

12230..12388

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	3302	End	12434
GI	none	Score	361
Exons	3302..3958, 3312..3950, 11742..11927, 11955..12179, 11972..12130, 12186..12434, 12204..12320		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o5.tw	Method	TBLASTX:Wheat
Start	3347	End	12392
GI	none	Score	58
Exons	3347..3523, 3351..3521, 3356..3538, 3542..3781, 11979..12182, 12083..12154, 12219..12392		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o7.tw	Method	TBLASTX:Wheat
Start	3785	End	11939
GI	none	Score	66
Exons	3785..3961, 3998..4093, 11619..11747, 11766..11939		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o6.tm	Method	TBLASTX:Maize
Start	3959	End	11741
GI	none	Score	215
Exons	3959..4198, 11544..11741, 11627..11740		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	4109	End	11618
GI	none	Score	69
Exons	4109..4261, 4304..4465, 4467..4649, 4467..4655, 11078..11209, 11079..11426, 11234..11305, 11415..11618		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	4211	End	11543
GI	none	Score	88
Exons	4211..4456, 4211..4447, 4275..4466, 4470..4655, 4471..4656, 11078..11209, 11079..11543, 11234..11386		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904

Name	OJ990426_05.9924.C3.o1.ts	Method	TBLASTX:Soybean
Start	4311	End	11411
GI	5509260	Score	142
Exons	4311..4466, 4316..4465, 4465..4575, 4468..4536, 4470..4694, 4470..4700, 4621..4698, 10944..11411, 11006..11386		
GI Descrip.	-		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o3.tc	Method	TBLASTX:Cress
Start	4470	End	11297
GI	none	Score	250
Exons	4470..4703, 11022..11297, 11036..11170		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o2.tc	Method	TBLASTX:Cress
Start	4705	End	10556
GI	none	Score	62
Exons	4705..4779, 4783..5064, 4891..5064, 10113..10556		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o4.tw	Method	TBLASTX:Wheat
Start	4705	End	10421
GI	none	Score	65
Exons	4705..4770, 4765..4845, 4864..5025, 4873..5112, 5155..5298, 10088..10312, 10089..10322, 10332..10421		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	4768	End	10553
GI	none	Score	227
Exons	4768..5127, 4775..5104, 5189..5251, 5191..5256, 9931..9990, 10089..10553, 10124..10390		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o3.ts	Method	TBLASTX:Soybean
Start	4778	End	10580
GI	none	Score	126
Exons	4778..5062, 4786..5082, 4894..5064, 10095..10580, 10124..10390, 10260..10574		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o5.ts	Method	TBLASTX:Soybean
Start	5155	End	10002
GI	none	Score	66
Exons	5155..5298, 5164..5283, 9727..10002, 9823..9903		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o2.tw	Method	TBLASTX:Wheat
Start	5404	End	9783
GI	none	Score	287
Exons	5404..5472, 9337..9702, 9378..9566, 9421..9705, 9703..9783		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o7.tm	Method	TBLASTX:Maize
Start	8260	End	8505
GI	none	Score	192
Exons	8260..8505, 8305..8424		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o4.tm	Method	TBLASTX:Maize
Start	9253	End	9723
GI	none	Score	60
Exons	9253..9339, 9315..9545, 9316..9534, 9418..9648, 9568..9723		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39652	Strand	-
Start	12745	End	12904
Name	OJ990426_05.9924.C3.o2.gp	Method	AAT/GAP
Start	12745	End	12904
GI	20688_1.R1084	Score	252
Exons	12745..12904		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39653	Strand	
Start	13951	End	16458
Name	OJ990426_05.9924.C3.o4.tc	Method	TBLASTX:Cress
Start	13951	End	16245
GI	none	Score	75
Exons	13951..14013, 13953..14009, 15504..15593, 15505..15606, 15748..15834, 15786..15848, 15901..16047, 15921..16046, 16063..16128, 16071..16136, 16156..16245		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39653	Strand	
Start	13951	End	16458
Name	OJ990426_05.9924.C3.o4.ts	Method	TBLASTX:Soybean
Start	15547	End	16215
GI	none	Score	71
Exons	15547..15729, 15736..16083, 15768..15839, 15915..16049, 16149..16187, 16156..16215		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39653	Strand	
Start	13951	End	16458

Name	OJ990426_05.9924.C3.o6.tw	Method	TBLASTX:Wheat
Start	15736	End	16005
GI	none	Score	209
Exons	15736..16005, 15768..16001		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39653	Strand	
Start	13951	End	16458
Name	OJ990426_05.9924.C3.o5.tm	Method	TBLASTX:Maize
Start	15822	End	16089
GI	none	Score	272
Exons	15822..16061, 15826..16089, 15832..16065		

Seq. No.	18921	Seq. ID	OJ990426_05.9924.C3
Gene No.	39653	Strand	
Start	13951	End	16458
Name	OJ990426_05.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	16009	End	16458
GI	none	Score	125
Exons	16009..16131, 16015..16158, 16016..16183, 16155..16220, 16156..16227, 16258..16323, 16324..16458		

Seq. No.	18922	Seq. ID	OJ990426_05.9924.C4
Gene No.	39654	Strand	+
Start	43	End	885
Name	OJ990426_05.9924.C4.o1.gs	Method	GENSCAN
Start	43	End	885
GI	none	Score	.86
Exons	43..885		

Seq. No.	18922	Seq. ID	OJ990426_05.9924.C4
Gene No.	39655	Strand	+
Start	2754	End	10242
Name	OJ990426_05.9924.C4.o1.np	Method	AAT/NAP
Start	2754	End	10242
GI	4455154	Score	64
Exons	2754..2783, 4871..5078, 6207..6311, 10124..10242		
GI Descrip.	(AL033545) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	18922	Seq. ID	OJ990426_05.9924.C4
Gene No.	39656	Strand	-
Start	3736	End	4380
Name	OJ990426_05.9924.C4.o2.gs	Method	GENSCAN
Start	3736	End	4380
GI	none	Score	.96
Exons	3736..4380		

Seq. No.	18922	Seq. ID	OJ990426_05.9924.C4
Gene No.	39657	Strand	-
Start	4700	End	4980
Name	OJ990426_05.9924.C4.o3.gs	Method	GENSCAN
Start	4700	End	4980
GI	none	Score	.55
Exons	4700..4824, 4947..4980		

Seq. No.	18922	Seq. ID	OJ990426_05.9924.C4
Gene No.	39658	Strand	-

Start	9179	End	9626
Name	OJ990426_05.9924.C4.o5.gs	Method	GENSCAN
Start	9179	End	9626
GI	none	Score	.82
Exons	9179..9503, 9565..9626		

Seq. No.	18923	Seq. ID	OJ990426_05.9924.C5
Gene No.	39659	Strand	-
Start	178	End	625
Name	OJ990426_05.9924.C5.o1.gs	Method	GENSCAN
Start	178	End	625
GI	none	Score	.83
Exons	178..502, 564..625		

Seq. No.	18924	Seq. ID	OJ990426_05.9924.C6
Gene No.	39660	Strand	+
Start	170	End	370
Name	OJ990426_05.9924.C6.o1.gs	Method	GENSCAN
Start	170	End	370
GI	none	Score	.79
Exons	170..370		

Seq. No.	18925	Seq. ID	OJ990426_05.9924.C7
Gene No.	39661	Strand	-
Start	400	End	507
Name	OJ990426_05.9924.C7.o1.gs	Method	GENSCAN
Start	400	End	507
GI	none	Score	.54
Exons	400..507		

Seq. No.	18926	Seq. ID	OJ990426_05.9924.C9
Gene No.	39662	Strand	+
Start	332	End	658
Name	OJ990426_05.9924.C9.o1.np	Method	AAT/NAP
Start	332	End	658
GI	6539588	Score	125
Exons	332..526, 624..658		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	18926	Seq. ID	OJ990426_05.9924.C9
Gene No.	39662	Strand	+
Start	332	End	658
Name	OJ990426_05.9924.C9.o1.gs	Method	GENSCAN
Start	359	End	593
GI	none	Score	.51
Exons	359..593		

Seq. No.	18927	Seq. ID	OJ990426_05.9924.C10
Gene No.	39663	Strand	+
Start	1	End	550
Name	OJ990426_05.9924.C10.o1.np	Method	AAT/NAP
Start	1	End	550
GI	5091512	Score	650
Exons	1..87, 134..550		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	18927	Seq. ID	OJ990426_05.9924.C10
Gene No.	39664	Strand	-
Start	63	End	628
Name	OJ990426_05.9924.C10.o1.gs	Method	GENSCAN
Start	63	End	628
GI	none	Score	.97
Exons	63..628		

Seq. No.	18928	Seq. ID	OJ990426_05.9924.C11
Gene No.	39665	Strand	-
Start	309	End	544
Name	OJ990426_05.9924.C11.o1.gs	Method	GENSCAN
Start	309	End	544
GI	none	Score	.66
Exons	309..411, 501..544		

Seq. No.	18929	Seq. ID	OJ990426_05.9924.C13
Gene No.	39666	Strand	+
Start	3603	End	6119
Name	OJ990426_05.9924.C13.o1.np	Method	AAT/NAP
Start	3603	End	6119
GI	221757	Score	52
Exons	3603..3653, 4084..4203, 5522..5702, 5736..5918, 6061..6119		
GI Descrip.	(D10879) virion protein [human herpesvirus 1]		

Seq. No.	18929	Seq. ID	OJ990426_05.9924.C13
Gene No.	39667	Strand	-
Start	2203	End	2979
Name	OJ990426_05.9924.C13.o1.gs	Method	GENSCAN
Start	2203	End	2979
GI	none	Score	.91
Exons	2203..2444, 2862..2979		

Seq. No.	18929	Seq. ID	OJ990426_05.9924.C13
Gene No.	39668	Strand	-
Start	3840	End	6044
Name	OJ990426_05.9924.C13.o2.gs	Method	GENSCAN
Start	3840	End	6044
GI	none	Score	.72
Exons	3840..4296, 4396..4492, 4532..4666, 5220..5301, 5555..5755, 5849..6044		

Seq. No.	18930	Seq. ID	OJ990426_05.9924.C14
Gene No.	39669	Strand	+
Start	320	End	2587
Name	OJ990426_05.9924.C14.o1.np	Method	AAT/NAP
Start	320	End	2587
GI	6721562	Score	504
Exons	320..1084, 2555..2587		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	18930	Seq. ID	OJ990426_05.9924.C14
Gene No.	39670	Strand	-

Start	3731	End	13132
Name	OJ990426_05.9924.C14.o2.tm	Method	TBLASTX:Maize
Start	3182	End	5291
GI	none	Score	69
Exons	3182..3253, 4475..4597, 4482..4604, 4505..4615, 4957..5133, 4993..5133, 5241..5291		

Seq. No.	18930	Seq. ID	OJ990426_05.9924.C14
Gene No.	39670	Strand	-
Start	3731	End	13132
Name	OJ990426_05.9924.C14.o2.gs	Method	GENSCAN
Start	3731	End	13132
GI	none	Score	.66
Exons	3731..3988, 4219..4289, 4651..4738, 5238..5290, 5562..5853, 6196..6334, 6417..6479, 10940..11021, 11838..11982, 13001..13132		

Seq. No.	18930	Seq. ID	OJ990426_05.9924.C14
Gene No.	39670	Strand	-
Start	3731	End	13132
Name	OJ990426_05.9924.C14.o3.tm	Method	TBLASTX:Maize
Start	5603	End	5749
GI	none	Score	134
Exons	5603..5749, 5605..5748		

Seq. No.	18930	Seq. ID	OJ990426_05.9924.C14
Gene No.	39670	Strand	-
Start	3731	End	13132
Name	OJ990426_05.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	6193	End	11220
GI	none	Score	128
Exons	6193..6336, 6212..6334, 6422..6481, 10945..11019, 11118..11219, 11119..11220		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39671	Strand	+
Start	1597	End	3678
Name	OJ990426_05.9924.C15.o1.gs	Method	GENSCAN
Start	1597	End	3678
GI	none	Score	.74
Exons	1597..1904, 2413..2597, 3019..3214, 3240..3291, 3551..3678		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39672	Strand	-
Start	4562	End	5036
Name	OJ990426_05.9924.C15.o2.gs	Method	GENSCAN
Start	4562	End	5036
GI	none	Score	.94
Exons	4562..4618, 4680..4823, 4893..5036		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39673	Strand	-
Start	5681	End	5977
Name	OJ990426_05.9924.C15.o1.gp	Method	AAT/GAP
Start	5681	End	5977
GI	61605_3.R1084	Score	431
Exons	5681..5977		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis		

thaliana]'

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o1.np	Method	AAT/NAP
Start	6414	End	8196
GI	6063554	Score	478
Exons	6414..6588, 7228..7255, 7599..7829, 7947..8196		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o2.gp	Method	AAT/GAP
Start	7025	End	7761
GI	101153_1.R1084	Score	647
Exons	7025..7255, 7599..7761		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o2.np	Method	AAT/NAP
Start	7494	End	9175
GI	6539588	Score	203
Exons	7494..7579, 8845..9175		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o3.gp	Method	AAT/GAP
Start	7599	End	7943
GI	101153_1.R1084	Score	474
Exons	7599..7943		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o4.gs	Method	GENSCAN
Start	8875	End	12080
GI	none	Score	.48
Exons	8875..9072, 9491..9591, 11723..12080		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o1.ts	Method	TBLASTX:Soybean
Start	11031	End	11706
GI	none	Score	84
Exons	11031..11309, 11328..11567, 11371..11529, 11560..11667,		

11587..11706

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o3.np	Method	AAT/NAP
Start	11058	End	12229
GI	4416302	Score	1117
Exons	11058..12229		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	11079	End	11706
GI	none	Score	47
Exons	11079..11570, 11089..11151, 11094..11300, 11212..11568, 11587..11706		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o1.tw	Method	TBLASTX:Wheat
Start	11481	End	11915
GI	none	Score	106
Exons	11481..11567, 11587..11706, 11778..11915		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o2.ts	Method	TBLASTX:Soybean
Start	11709	End	11954
GI	none	Score	66
Exons	11709..11954, 11791..11937		

Seq. No.	18931	Seq. ID	OJ990426_05.9924.C15
Gene No.	39674	Strand	-
Start	6414	End	12229
Name	OJ990426_05.9924.C15.o2.tm	Method	TBLASTX:Maize
Start	11853	End	12228
GI	none	Score	130
Exons	11853..12227, 11883..12227, 12055..12228		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39675	Strand	+
Start	6952	End	7057
Name	OJ990426_05.9924.C16.o1.gp	Method	AAT/GAP
Start	6952	End	7057
GI	5816518	Score	159
Exons	6952..7057		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664

Name	OJ990426_05.9924.C16.o1.np	Method	AAT/NAP
Start	1	End	5043
GI	3777527	Score	1628
Exons	1..1183, 1337..2734, 2994..3106, 3695..5043		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o2.np	Method	AAT/NAP
Start	1	End	5466
GI	6539588	Score	199
Exons	1..76, 2793..2879, 5282..5466		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o3.tm	Method	TBLASTX:Maize
Start	58	End	277
GI	none	Score	96
Exons	58..276, 64..264, 140..277		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o3.ts	Method	TBLASTX:Soybean
Start	58	End	309
GI	none	Score	61
Exons	58..309, 146..292		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o1.gs	Method	GENSCAN
Start	78	End	6664
GI	none	Score	.45
Exons	78..1022, 1101..1298, 1365..1923, 2011..2652, 2839..3003, 3956..4195, 4258..5080, 5339..5459, 5697..5820, 5990..6246, 6614..6664		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	349	End	784
GI	none	Score	129
Exons	349..783, 406..756, 410..784		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	446	End	1059
GI	5509260	Score	364
Exons	446..970, 451..987, 757..996, 1009..1059		
GI Descrip.	-		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o1.tw	Method	TBLASTX:Wheat
Start	454	End	930
GI	none	Score	111
Exons	454..633, 459..632, 460..861, 841..930, 847..930	470..640, 662..799, 673..801,	

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o1.tc	Method	TBLASTX:Cress
Start	565	End	826
GI	none	Score	116
Exons	565..825, 566..826		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o2.tm	Method	TBLASTX:Maize
Start	1369	End	2004
GI	none	Score	247
Exons	1369..1497, 1507..1938, 1517..1852, 1621..1974, 1937..1999, 1939..2004		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o2.ts	Method	TBLASTX:Soybean
Start	1519	End	1830
GI	none	Score	124
Exons	1519..1830, 1526..1813		

Seq. No.	18932	Seq. ID	OJ990426_05.9924.C16
Gene No.	39676	Strand	-
Start	1	End	6664
Name	OJ990426_05.9924.C16.o2.tw	Method	TBLASTX:Wheat
Start	1675	End	2226
GI	none	Score	115
Exons	1675..1956, 1676..1846, 1681..1851, 2020..2226		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39677	Strand	+
Start	3068	End	3336
Name	OJ990426_05.9924.C17.o1.gp	Method	AAT/GAP
Start	3068	End	3336
GI	uC-osflcyp053f07a1	Score	337
Exons	3068..3336		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39678	Strand	+
Start	13202	End	14945
Name	OJ990426_05.9924.C17.o3.gs	Method	GENSCAN

Start	13202	End	14945
GI	none	Score	.51
Exons	13202..13410, 13488..14235, 14628..14688, 14782..14945		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39678	Strand	+
Start	13202	End	14945
Name	OJ990426_05.9924.C17.o3.gp	Method	AAT/GAP
Start	14351	End	14597
GI	3761181	Score	440
Exons	14351..14597		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39679	Strand	+
Start	15859	End	22893
Name	OJ990426_05.9924.C17.o4.gs	Method	GENSCAN
Start	15859	End	16620
GI	none	Score	.84
Exons	15859..16620		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39679	Strand	+
Start	15859	End	22893
Name	OJ990426_05.9924.C17.o1.np	Method	AAT/NAP
Start	15878	End	21183
GI	5091513	Score	1919
Exons	15878..16780, 17436..18205, 19131..19210, 19319..19493, 21112..21183		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39679	Strand	+
Start	15859	End	22893
Name	OJ990426_05.9924.C17.o5.gs	Method	GENSCAN
Start	17637	End	18829
GI	none	Score	.91
Exons	17637..17878, 18101..18348, 18501..18829		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39679	Strand	+
Start	15859	End	22893
Name	OJ990426_05.9924.C17.o6.gs	Method	GENSCAN
Start	20701	End	22816
GI	none	Score	.61
Exons	20701..20774, 21181..21354, 22678..22816		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39679	Strand	+
Start	15859	End	22893
Name	OJ990426_05.9924.C17.o4.gp	Method	AAT/GAP
Start	20904	End	21150
GI	3761181	Score	438
Exons	20904..21150		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39679	Strand	+
Start	15859	End	22893
Name	OJ990426_05.9924.C17.o2.np	Method	AAT/NAP
Start	21303	End	22893
GI	6721550	Score	429
Exons	21303..21354, 22051..22893		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39680	Strand	-
Start	1623	End	4311
Name	OJ990426_05.9924.C17.o1.gs	Method	GENSCAN
Start	1623	End	4311
GI	none	Score	.6
Exons	1623..1802, 1923..2077, 2187..2572, 3382..3698, 4105..4311		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39681	Strand	-
Start	4618	End	4866
Name	OJ990426_05.9924.C17.o2.gp	Method	AAT/GAP
Start	4618	End	4866
GI	3761181	Score	401
Exons	4618..4866		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39682	Strand	-
Start	6644	End	22855
Name	OJ990426_05.9924.C17.o1.tw	Method	TBLASTX:Wheat
Start	5127	End	22855
GI	none	Score	90
Exons	5127..5216, 5128..5217, 22559..22783, 22562..22741, 22693..22782, 22796..22855		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39682	Strand	-
Start	6644	End	22855
Name	OJ990426_05.9924.C17.o2.gs	Method	GENSCAN
Start	6644	End	12142
GI	none	Score	.8
Exons	6644..6814, 9082..9131, 9403..9599, 10192..10440, 11224..11393, 12059..12142		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39682	Strand	-
Start	6644	End	22855
Name	OJ990426_05.9924.C17.o2.tm	Method	TBLASTX:Maize
Start	13624	End	14076
GI	none	Score	138
Exons	13624..13806, 13831..14076		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39682	Strand	-
Start	6644	End	22855

Name	OJ990426_05.9924.C17.o1.ts	Method	TBLASTX:Soybean
Start	22090	End	22768
GI	none	Score	59
Exons	22090..22257, 22091..22273, 22277..22603, 22279..22353, 22456..22590, 22598..22768, 22598..22741		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39682	Strand	-
Start	6644	End	22855
Name	OJ990426_05.9924.C17.o2.tw	Method	TBLASTX:Wheat
Start	22274	End	22558
GI	none	Score	189
Exons	22274..22558		

Seq. No.	18933	Seq. ID	OJ990426_05.9924.C17
Gene No.	39682	Strand	-
Start	6644	End	22855
Name	OJ990426_05.9924.C17.o1.tm	Method	TBLASTX:Maize
Start	22363	End	22630
GI	none	Score	280
Exons	22363..22629, 22367..22630		

Seq. No.	18934	Seq. ID	OJ990426_05.9924.C18
Gene No.	39683	Strand	+
Start	1	End	1846
Name	OJ990426_05.9924.C18.o1.np	Method	AAT/NAP
Start	1	End	1806
GI	4680207	Score	550
Exons	1..581, 672..1806		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	18934	Seq. ID	OJ990426_05.9924.C18
Gene No.	39683	Strand	+
Start	1	End	1846
Name	OJ990426_05.9924.C18.o1.gs	Method	GENSCAN
Start	255	End	1846
GI	none	Score	.51
Exons	255..1846		

Seq. No.	18934	Seq. ID	OJ990426_05.9924.C18
Gene No.	39684	Strand	+
Start	5223	End	5851
Name	OJ990426_05.9924.C18.o3.gs	Method	GENSCAN
Start	5223	End	5851
GI	none	Score	.47
Exons	5223..5401, 5650..5851		

Seq. No.	18934	Seq. ID	OJ990426_05.9924.C18
Gene No.	39685	Strand	-
Start	4171	End	4450
Name	OJ990426_05.9924.C18.o2.gs	Method	GENSCAN
Start	4171	End	4450
GI	none	Score	.79
Exons	4171..4280, 4399..4450		

Seq. No.	18934	Seq. ID	OJ990426_05.9924.C18

Gene No.	39686	Strand	-
Start	6528	End	7412
Name	OJ990426_05.9924.C18.o2.tw	Method	TBLASTX:Wheat
Start	278	End	574
GI	none	Score	225
Exons	278..502, 281..460, 412..501, 515..574		

Seq. No.	18934	Seq. ID	OJ990426_05.9924.C18
Gene No.	39686	Strand	-
Start	6528	End	7412
Name	OJ990426_05.9924.C18.o1.tw	Method	TBLASTX:Wheat
Start	680	End	1054
GI	none	Score	242
Exons	680..1054, 947..1048		

Seq. No.	18934	Seq. ID	OJ990426_05.9924.C18
Gene No.	39686	Strand	-
Start	6528	End	7412
Name	OJ990426_05.9924.C18.o4.gs	Method	GENSCAN
Start	6528	End	7412
GI	none	Score	.6
Exons	6528..6756, 7300..7412		

Seq. No.	18935	Seq. ID	OJ990426_05.9924.C21
Gene No.	39687	Strand	+
Start	1	End	510
Name	OJ990426_05.9924.C21.o1.gp	Method	AAT/GAP
Start	1	End	510
GI	101153_1.R1084	Score	387
Exons	1..48, 280..510		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	18935	Seq. ID	OJ990426_05.9924.C21
Gene No.	39688	Strand	-
Start	251	End	376
Name	OJ990426_05.9924.C21.o1.gs	Method	GENSCAN
Start	251	End	376
GI	none	Score	.57
Exons	251..376		

Seq. No.	18936	Seq. ID	OJ990426_05.9924.C22
Gene No.	39689	Strand	-
Start	90	End	551
Name	OJ990426_05.9924.C22.o1.gs	Method	GENSCAN
Start	90	End	551
GI	none	Score	.52
Exons	90..194, 275..329, 392..551		

Seq. No.	18937	Seq. ID	OJ990426_05.9924.C23
Gene No.	39690	Strand	-
Start	1	End	761
Name	OJ990426_05.9924.C23.o1.np	Method	AAT/NAP
Start	1	End	761
GI	5295971	Score	712
Exons	1..761		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the		

predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	18937	Seq. ID	OJ990426_05.9924.C23
Gene No.	39690	Strand	-
Start	1	End	761
Name	OJ990426_05.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	61	End	262
GI	none	Score	182
Exons	61..261, 62..262		

Seq. No.	18937	Seq. ID	OJ990426_05.9924.C23
Gene No.	39690	Strand	-
Start	1	End	761
Name	OJ990426_05.9924.C23.o2.ts	Method	TBLASTX:Soybean
Start	61	End	255
GI	none	Score	104
Exons	61..255, 62..226		

Seq. No.	18937	Seq. ID	OJ990426_05.9924.C23
Gene No.	39690	Strand	-
Start	1	End	761
Name	OJ990426_05.9924.C23.o1.gs	Method	GENSCAN
Start	96	End	605
GI	none	Score	.91
Exons	96..605		

Seq. No.	18937	Seq. ID	OJ990426_05.9924.C23
Gene No.	39690	Strand	-
Start	1	End	761
Name	OJ990426_05.9924.C23.o2.tm	Method	TBLASTX:Maize
Start	339	End	650
GI	none	Score	58
Exons	339..569, 388..570, 567..650		

Seq. No.	18937	Seq. ID	OJ990426_05.9924.C23
Gene No.	39690	Strand	-
Start	1	End	761
Name	OJ990426_05.9924.C23.o1.ts	Method	TBLASTX:Soybean
Start	348	End	623
GI	none	Score	193
Exons	348..623, 447..527		

Seq. No.	18938	Seq. ID	OJ990426_05.9924.C27
Gene No.	39691	Strand	+
Start	1	End	346
Name	OJ990426_05.9924.C27.o1.np	Method	AAT/NAP
Start	1	End	346
GI	6907088	Score	243
Exons	1..346		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18938	Seq. ID	OJ990426_05.9924.C27
Gene No.	39692	Strand	-
Start	327	End	336
Name	OJ990426_05.9924.C27.o1.gs	Method	GENSCAN
Start	327	End	336

GI	none	Score	.79
Exons	327..336		

Seq. No.	18939	Seq. ID	OJ990426_05.9924.C28
Gene No.	39693	Strand	-
Start	184	End	351
Name	OJ990426_05.9924.C28.o1.gs	Method	GENSCAN
Start	184	End	351
GI	none	Score	.55
Exons	184..351		

Seq. No.	18940	Seq. ID	OJ990426_05.9924.C29
Gene No.	39694	Strand	+
Start	1	End	439
Name	OJ990426_05.9924.C29.o1.np	Method	AAT/NAP
Start	1	End	439
GI	5295971	Score	263
Exons	1..439		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	18940	Seq. ID	OJ990426_05.9924.C29
Gene No.	39694	Strand	+
Start	1	End	439
Name	OJ990426_05.9924.C29.o1.tm	Method	TBLASTX:Maize
Start	44	End	336
GI	none	Score	60
Exons	44..130, 106..336, 107..325		

Seq. No.	18940	Seq. ID	OJ990426_05.9924.C29
Gene No.	39694	Strand	+
Start	1	End	439
Name	OJ990426_05.9924.C29.o1.gs	Method	GENSCAN
Start	91	End	337
GI	none	Score	.69
Exons	91..337		

Seq. No.	18940	Seq. ID	OJ990426_05.9924.C29
Gene No.	39694	Strand	+
Start	1	End	439
Name	OJ990426_05.9924.C29.o1.tw	Method	TBLASTX:Wheat
Start	128	End	367
GI	none	Score	196
Exons	128..367, 169..366		

Seq. No.	18941	Seq. ID	OJ990426_05.9924.C30
Gene No.	39695	Strand	-
Start	690	End	1212
Name	OJ990426_05.9924.C30.o1.gs	Method	GENSCAN
Start	690	End	1212
GI	none	Score	.46
Exons	690..834, 911..1212		

Seq. No.	18942	Seq. ID	OJ990426_05.9924.C31
Gene No.	39696	Strand	+
Start	1	End	694

Name	OJ990426_05.9924.C31.o1.np	Method	AAT/NAP
Start	1	End	694
GI	5295971	Score	144
Exons	1..297, 472..694		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	18942	Seq. ID	OJ990426_05.9924.C31
Gene No.	39696	Strand	+
Start	1	End	694
Name	OJ990426_05.9924.C31.o1.tm	Method	TBLASTX:Maize
Start	3	End	272
GI	none	Score	119
Exons	3..125, 44..124, 120..272		

Seq. No.	18943	Seq. ID	OJ990426_05.9924.C32
Gene No.	39697	Strand	-
Start	75	End	617
Name	OJ990426_05.9924.C32.o1.gs	Method	GENSCAN
Start	75	End	617
GI	none	Score	.59
Exons	75..202, 462..513, 539..617		

Seq. No.	18944	Seq. ID	OJ990426_04.9924.C2
Gene No.	39698	Strand	+
Start	100	End	278
Name	OJ990426_04.9924.C2.o1.gs	Method	GENSCAN
Start	100	End	278
GI	none	Score	.73
Exons	100..278		

Seq. No.	18945	Seq. ID	OJ990426_04.9924.C3
Gene No.	39699	Strand	+
Start	108	End	429
Name	OJ990426_04.9924.C3.o1.gs	Method	GENSCAN
Start	108	End	429
GI	none	Score	.65
Exons	108..301, 396..429		

Seq. No.	18946	Seq. ID	OJ990426_04.9924.C4
Gene No.	39700	Strand	+
Start	177	End	474
Name	OJ990426_04.9924.C4.o1.gp	Method	AAT/GAP
Start	177	End	474
GI	44649_1.R1084	Score	580
Exons	177..474		
GI Descrip.	'3420239 5.0e-72 (AF059484) actin [Gossypium hirsutum]'		

Seq. No.	18947	Seq. ID	OJ990426_04.9924.C5
Gene No.	39701	Strand	+
Start	298	End	381
Name	OJ990426_04.9924.C5.o1.gp	Method	AAT/GAP
Start	298	End	381
GI	4722_1.R1084	Score	122
Exons	298..381		
GI Descrip.	'6014934/sp|Q42463|DCL_LYCES 4.0e-55 DCL PROTEIN, CHLOROPLAST		

PRECURSOR (DEFECTIVE CHLOROPLASTS AND LEAVES PROTEIN) >gi_1305531 (U55219) defective chloroplasts and leaves; required for chloroplast development and palisade cell differentiation in leaves [Lycopersicon esculentum] >gi_1323698 (U55278) DCL [Solanum lycopersicum]'

Seq. No.	18947	Seq. ID	OJ990426_04.9924.C5
Gene No.	39702	Strand	-
Start	1	End	471
Name	OJ990426_04.9924.C5.o1.np	Method	AAT/NAP
Start	1	End	471
GI	6014934	Score	127
Exons	1..25, 300..471		
GI Descrip.	DCL PROTEIN, CHLOROPLAST PRECURSOR (DEFECTIVE CHLOROPLASTS AND LEAVES PROTEIN) gi|1305531 (U55219) defective chloroplasts and leaves; required for chloroplast development and palisade cell differentiation in leaves [Lycopersicon esculentum] gi|1323698 (U55278) DCL [Solanum lycopersicum]		

Seq. No.	18948	Seq. ID	OJ990426_04.9924.C6
Gene No.	39703	Strand	-
Start	604	End	903
Name	OJ990426_04.9924.C6.o1.gs	Method	GENSCAN
Start	604	End	903
GI	none	Score	.62
Exons	604..903		

Seq. No.	18949	Seq. ID	OJ990426_04.9924.C7
Gene No.	39704	Strand	-
Start	441	End	562
Name	OJ990426_04.9924.C7.o1.gs	Method	GENSCAN
Start	441	End	562
GI	none	Score	.99
Exons	441..562		

Seq. No.	18950	Seq. ID	OJ990426_04.9924.C8
Gene No.	39705	Strand	-
Start	340	End	927
Name	OJ990426_04.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	334	End	813
GI	none	Score	99
Exons	334..414, 335..412, 335..421, 336..422, 514..606, 516..608, 516..608, 691..813, 691..801, 696..809		

Seq. No.	18950	Seq. ID	OJ990426_04.9924.C8
Gene No.	39705	Strand	-
Start	340	End	927
Name	OJ990426_04.9924.C8.o1.np	Method	AAT/NAP
Start	340	End	927
GI	5262201	Score	271
Exons	340..411, 516..602, 693..927		
GI Descrip.	(AL080252) putative protein [Arabidopsis thaliana]		

Seq. No.	18950	Seq. ID	OJ990426_04.9924.C8
Gene No.	39705	Strand	-
Start	340	End	927
Name	OJ990426_04.9924.C8.o1.gs	Method	GENSCAN

Start	341	End	850
GI	none	Score	.67
Exons	341..472, 516..605, 678..850		

Seq. No.	18950	Seq. ID	OJ990426_04.9924.C8
Gene No.	39705	Strand	-
Start	340	End	927
Name	OJ990426_04.9924.C8.o1.tc	Method	TBLASTX:Cress
Start	358	End	836
GI	none	Score	50
Exons	358..414, 362..412, 514..609, 516..608, 696..836, 715..810		

Seq. No.	18950	Seq. ID	OJ990426_04.9924.C8
Gene No.	39705	Strand	-
Start	340	End	927
Name	OJ990426_04.9924.C8.o1.gp	Method	AAT/GAP
Start	543	End	927
GI	uC-osflcyp081a04b1	Score	522
Exons	543..605, 696..927		
GI Descrip.	'5262201/emb|CAB45798.1| 2.0e-19 (AL080252) putative protein [Arabidopsis thaliana]'		

Seq. No.	18951	Seq. ID	OJ990426_04.9924.C9
Gene No.	39706	Strand	+
Start	211	End	467
Name	OJ990426_04.9924.C9.o1.gs	Method	GENSCAN
Start	211	End	467
GI	none	Score	.72
Exons	211..341, 347..467		

Seq. No.	18951	Seq. ID	OJ990426_04.9924.C9
Gene No.	39707	Strand	-
Start	4137	End	12884
Name	OJ990426_04.9924.C9.o2.gs	Method	GENSCAN
Start	4137	End	12884
GI	none	Score	.65
Exons	4137..4304, 4512..4729, 7298..7405, 7551..7623, 8199..8336, 8486..8588, 9184..9242, 9544..9667, 11371..11465, 12834..12884		

Seq. No.	18952	Seq. ID	OJ990426_04.9924.C10
Gene No.	39708	Strand	+
Start	407	End	512
Name	OJ990426_04.9924.C10.o1.gs	Method	GENSCAN
Start	407	End	512
GI	none	Score	.54
Exons	407..512		

Seq. No.	18953	Seq. ID	OJ990426_04.9924.C12
Gene No.	39709	Strand	+
Start	402	End	4859
Name	OJ990426_04.9924.C12.o1.gs	Method	GENSCAN
Start	402	End	4316
GI	none	Score	.83
Exons	402..575, 676..1029, 1117..1214, 1516..1576, 1744..1804, 1892..1968, 2299..2348, 2755..2837, 3113..3183, 3507..3657, 3969..4102, 4173..4316		

Seq. No.	18953	Seq. ID	OJ990426_04.9924.C12
Gene No.	39709	Strand	+
Start	402	End	4859
Name	OJ990426_04.9924.C12.o1.gp	Method	AAT/GAP
Start	917	End	1939
GI	58686_1.R1084	Score	565
Exons	917..1029, 1462..1521, 1608..1661, 1744..1804, 1892..1939		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	18953	Seq. ID	OJ990426_04.9924.C12
Gene No.	39709	Strand	+
Start	402	End	4859
Name	OJ990426_04.9924.C12.o2.gp	Method	AAT/GAP
Start	3520	End	4859
GI	none	Score	1124
Exons	3520..3657, 3969..4102, 4173..4264, 4603..4859		

Seq. No.	18953	Seq. ID	OJ990426_04.9924.C12
Gene No.	39710	Strand	-
Start	5072	End	5826
Name	OJ990426_04.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	1452	End	3620
GI	none	Score	71
Exons	1452..1517, 1456..1521, 1608..1661, 1616..1654, 1728..1793, 1728..1796, 1729..1803, 1729..1803, 1890..1925, 1890..1970, 1891..1971, 2287..2364, 2298..2345, 2755..2826, 2759..2842, 2768..2830, 3112..3183, 3129..3188, 3501..3620, 3512..3565		

Seq. No.	18953	Seq. ID	OJ990426_04.9924.C12
Gene No.	39710	Strand	-
Start	5072	End	5826
Name	OJ990426_04.9924.C12.o1.tc	Method	TBLASTX:Cress
Start	1456	End	2818
GI	none	Score	79
Exons	1456..1521, 1608..1661, 1729..1803, 1729..1803, 1890..1970, 1891..1974, 2287..2364, 2759..2818		

Seq. No.	18953	Seq. ID	OJ990426_04.9924.C12
Gene No.	39710	Strand	-
Start	5072	End	5826
Name	OJ990426_04.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	1456	End	4258
GI	none	Score	97
Exons	1456..1521, 1459..1521, 1463..1522, 1606..1662, 1607..1663, 1608..1661, 1728..1802, 1729..1803, 1738..1803, 1891..1971, 1893..1970, 2281..2364, 2747..2842, 2752..2835, 2753..2839, 3111..3182, 3112..3183, 3113..3184, 3501..3584, 3506..3583, 3573..3632, 3585..3632, 3965..4009, 3966..4010, 3968..4015, 4024..4101, 4026..4106, 4027..4104, 4028..4111, 4160..4258		

Seq. No.	18953	Seq. ID	OJ990426_04.9924.C12
Gene No.	39710	Strand	-
Start	5072	End	5826
Name	OJ990426_04.9924.C12.o2.gs	Method	GENSCAN
Start	5072	End	5826
GI	none	Score	.55

Exons	5072..5130, 5604..5826		
Seq. No.	18954	Seq. ID	OJ990426_04.9924.C13
Gene No.	39711	Strand	+
Start	706	End	3953
Name	OJ990426_04.9924.C13.o1.gs	Method	GENSCAN
Start	706	End	3578
GI	none	Score	.62
Exons	706..1193, 2002..2363, 2464..2507, 3364..3578		
Seq. No.	18954	Seq. ID	OJ990426_04.9924.C13
Gene No.	39711	Strand	+
Start	706	End	3953
Name	OJ990426_04.9924.C13.o1.gp	Method	AAT/GAP
Start	759	End	3580
GI	61_1.R1084	Score	2019
Exons	759..1193, 2002..2363, 2464..2507, 3364..3580		
GI Descrip.	'3318615/dbj|BAA31584.1| 0.0e+00 (AB016065) mitochondrial phosphate transporter [Oryza sativa]'		
Seq. No.	18954	Seq. ID	OJ990426_04.9924.C13
Gene No.	39711	Strand	+
Start	706	End	3953
Name	OJ990426_04.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	785	End	3586
GI	none	Score	42
Exons	785..820, 899..931, 924..986, 926..994, 956..1192, 1020..1196, 1028..1192, 1056..1196, 1999..2364, 2001..2363, 2169..2378, 2463..2534, 2465..2506, 3359..3586, 3360..3578, 3523..3579		
Seq. No.	18954	Seq. ID	OJ990426_04.9924.C13
Gene No.	39711	Strand	+
Start	706	End	3953
Name	OJ990426_04.9924.C13.o1.np	Method	AAT/NAP
Start	900	End	3953
GI	3318615	Score	1458
Exons	900..1193, 2002..2363, 2464..2507, 3364..3648, 3928..3953		
GI Descrip.	(AB016065) mitochondrial phosphate transporter [Oryza sativa]		
Seq. No.	18954	Seq. ID	OJ990426_04.9924.C13
Gene No.	39711	Strand	+
Start	706	End	3953
Name	OJ990426_04.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	1068	End	3578
GI	none	Score	196
Exons	1068..1196, 1079..1192, 1999..2355, 1999..2355, 2001..2363, 2465..2506, 3359..3577, 3360..3578		
Seq. No.	18954	Seq. ID	OJ990426_04.9924.C13
Gene No.	39711	Strand	+
Start	706	End	3953
Name	OJ990426_04.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	1077	End	3579
GI	none	Score	200
Exons	1077..1196, 1079..1192, 1991..2293, 1999..2364, 2001..2363, 2465..2506, 3359..3577, 3360..3578, 3436..3579		

Seq. No.	18954	Seq. ID	OJ990426_04.9924.C13
Gene No.	39711	Strand	+
Start	706	End	3953
Name	OJ990426_04.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	1999	End	2494
GI	none	Score	514
Exons	1999..2364, 2000..2365, 2001..2363, 2462..2494, 2465..2494		

Seq. No.	18955	Seq. ID	OJ990426_04.9924.C14
Gene No.	39712	Strand	+
Start	1	End	1598
Name	OJ990426_04.9924.C14.o1.gp	Method	AAT/GAP
Start	1	End	566
GI	61_1.R1084	Score	894
Exons	1..99, 196..566		
GI Descrip.	'3318615/dbj|BAA31584.1| 0.0e+00 (AB016065) mitochondrial phosphate transporter [Oryza sativa]'		

Seq. No.	18955	Seq. ID	OJ990426_04.9924.C14
Gene No.	39712	Strand	+
Start	1	End	1598
Name	OJ990426_04.9924.C14.o1.np	Method	AAT/NAP
Start	1	End	259
GI	3318615	Score	229
Exons	1..99, 196..259		
GI Descrip.	(AB016065) mitochondrial phosphate transporter [Oryza sativa]		

Seq. No.	18955	Seq. ID	OJ990426_04.9924.C14
Gene No.	39712	Strand	+
Start	1	End	1598
Name	OJ990426_04.9924.C14.o1.gs	Method	GENSCAN
Start	35	End	1598
GI	none	Score	.81
Exons	35..99, 1250..1598		

Seq. No.	18955	Seq. ID	OJ990426_04.9924.C14
Gene No.	39713	Strand	+
Start	2381	End	2560
Name	OJ990426_04.9924.C14.o2.gs	Method	GENSCAN
Start	2381	End	2560
GI	none	Score	.92
Exons	2381..2560		

Seq. No.	18955	Seq. ID	OJ990426_04.9924.C14
Gene No.	39714	Strand	-
Start	2864	End	3369
Name	OJ990426_04.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	502
GI	none	Score	166
Exons	1..99, 2..97, 3..107, 7..99, 196..237, 197..232, 221..265, 340..453, 355..444, 424..501, 425..502, 428..502		

Seq. No.	18955	Seq. ID	OJ990426_04.9924.C14
Gene No.	39714	Strand	-
Start	2864	End	3369
Name	OJ990426_04.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	403

GI	none	Score	166
Exons	1..99, 2..97, 196..243, 215..346, 275..352, 355..402, 359..403		

Seq. No.	18955	Seq. ID	OJ990426_04.9924.C14
Gene No.	39714	Strand	-
Start	2864	End	3369
Name	OJ990426_04.9924.C14.o3.gs	Method	GENSCAN
Start	2864	End	3369
GI	none	Score	.59
Exons	2864..2958, 3186..3369		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39715	Strand	+
Start	762	End	3683
Name	OJ990426_04.9924.C15.o1.gp	Method	AAT/GAP
Start	762	End	1254
GI	uC-osroM202029b04b1	Score	962
Exons	762..1254		
GI Descrip.	'3047096 1.0e-14 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 189.74) [Arabidopsis thaliana]'		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39715	Strand	+
Start	762	End	3683
Name	OJ990426_04.9924.C15.o1.gs	Method	GENSCAN
Start	828	End	3527
GI	none	Score	.84
Exons	828..3527		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39715	Strand	+
Start	762	End	3683
Name	OJ990426_04.9924.C15.o1.np	Method	AAT/NAP
Start	870	End	3524
GI	3047096	Score	1520
Exons	870..1774, 1847..2260, 2352..3524		
GI Descrip.	(AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 189.74) [Arabidopsis thaliana]		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39715	Strand	+
Start	762	End	3683
Name	OJ990426_04.9924.C15.o2.gp	Method	AAT/GAP
Start	2915	End	3683
GI	15443_1.R1084	Score	1400
Exons	2915..3683		
GI Descrip.	'3047096 6.0e-21 (AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 189.74) [Arabidopsis thaliana]'		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39716	Strand	+
Start	4566	End	5726
Name	OJ990426_04.9924.C15.o3.gp	Method	AAT/GAP
Start	4508	End	4954
GI	uC-osflcyp034a05b1	Score	851

Exons	4508..4954		
GI Descrip.	'4126403/dbj|BAA36554| 2.0e-22 (AB011796) flavonol synthase [Citrus unshiu]'		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39716	Strand	+
Start	4566	End	5726
Name	OJ990426_04.9924.C15.o2.np	Method	AAT/NAP
Start	4560	End	5723
GI	4126403	Score	1009
Exons	4560..5020, 5094..5421, 5514..5723		
GI Descrip.	(AB011796) flavonol synthase [Citrus unshiu]		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39716	Strand	+
Start	4566	End	5726
Name	OJ990426_04.9924.C15.o2.gs	Method	GENSCAN
Start	4566	End	5726
GI	none	Score	.99
Exons	4566..5020, 5094..5421, 5514..5726		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39717	Strand	+
Start	12773	End	15035
Name	OJ990426_04.9924.C15.o4.gs	Method	GENSCAN
Start	12773	End	15035
GI	none	Score	.95
Exons	12773..13112, 13729..13922, 14017..14050, 14389..15035		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39718	Strand	+
Start	15452	End	15890
Name	OJ990426_04.9924.C15.o5.gs	Method	GENSCAN
Start	15452	End	15890
GI	none	Score	.69
Exons	15452..15505, 15639..15890		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o2.tc	Method	TBLASTX:Cress
Start	1059	End	3323
GI	none	Score	56
Exons	1059..1109, 1200..1295, 1944..2057, 2382..2501, 2408..2608, 2523..2681, 2694..3014, 2720..3022, 3117..3323		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o2.tw	Method	TBLASTX:Wheat
Start	2334	End	2542
GI	none	Score	208
Exons	2334..2537, 2357..2542		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679

Name	OJ990426_04.9924.C15.o5.ts	Method	TBLASTX:Soybean
Start	2346	End	2618
GI	none	Score	125
Exons	2346..2513, 2366..2506, 2520..2618		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o4.tm	Method	TBLASTX:Maize
Start	2384	End	2630
GI	none	Score	364
Exons	2384..2629, 2385..2630		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o1.tw	Method	TBLASTX:Wheat
Start	2544	End	2957
GI	none	Score	298
Exons	2544..2864, 2555..2860, 2895..2957		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o3.ts	Method	TBLASTX:Soybean
Start	2618	End	3016
GI	none	Score	87
Exons	2618..2662, 2619..2672, 2672..3016, 2694..3014		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	2631	End	3197
GI	none	Score	76
Exons	2631..2675, 2631..2681, 2663..2956, 2685..2957, 2895..2957, 2957..3046, 2958..3029, 3029..3127, 3080..3127, 3114..3185, 3123..3197		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o6.tm	Method	TBLASTX:Maize
Start	4580	End	4829
GI	none	Score	236
Exons	4580..4825, 4617..4829		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o1.tc	Method	TBLASTX:Cress
Start	4617	End	5723
GI	none	Score	70
Exons	4617..4673, 4752..5021, 4763..5008, 5092..5418, 5232..5429, 5502..5588, 5507..5587, 5637..5723, 5648..5719		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15

Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o1.ts	Method	TBLASTX:Soybean
Start	4617	End	5717
GI	none	Score	47
Exons	4617..4661, 4752..5021, 4775..5020, 5092..5424, 5217..5429, 5474..5587, 5502..5588, 5640..5717		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o2.tm	Method	TBLASTX:Maize
Start	4830	End	5717
GI	none	Score	237
Exons	4830..5021, 5092..5421, 5217..5411, 5511..5588, 5519..5587, 5640..5717		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o2.ts	Method	TBLASTX:Soybean
Start	12949	End	15862
GI	none	Score	114
Exons	12949..13077, 12953..13096, 13728..13838, 13809..13949, 14366..14602, 14388..14609, 14648..14851, 14649..15011, 14778..15011, 15633..15779, 15644..15862		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o3.tm	Method	TBLASTX:Maize
Start	13848	End	15872
GI	none	Score	73
Exons	13848..13949, 14014..14049, 14375..14596, 14388..14597, 14448..14597, 14646..14852, 14648..14848, 14649..14900, 14904..14960, 14907..14951, 14967..15014, 15648..15770, 15834..15872		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o3.tc	Method	TBLASTX:Cress
Start	14379	End	15881
GI	none	Score	193
Exons	14379..14594, 14471..14593, 14652..14954, 14726..14974, 14967..15020, 15636..15782, 15638..15880, 15837..15881		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o4.gp	Method	AAT/GAP
Start	16177	End	16899
GI	none	Score	1372
Exons	16177..16899		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-

Start	16250	End	17679
Name	OJ990426_04.9924.C15.o6.gs	Method	GENSCAN
Start	16250	End	17679
GI	none	Score	.74
Exons	16250..16338, 16880..16991, 17275..17679		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o5.tm	Method	TBLASTX:Maize
Start	16725	End	16902
GI	none	Score	159
Exons	16725..16901, 16731..16901, 16732..16902, 16732..16902		

Seq. No.	18956	Seq. ID	OJ990426_04.9924.C15
Gene No.	39719	Strand	-
Start	16250	End	17679
Name	OJ990426_04.9924.C15.o4.ts	Method	TBLASTX:Soybean
Start	16743	End	17500
GI	none	Score	108
Exons	16743..16865, 16744..16878, 16887..16955, 16887..17012, 17079..17105, 17133..17204, 17140..17199, 17308..17433, 17378..17500		

Seq. No.	18957	Seq. ID	OJ990426_04.9924.C16
Gene No.	39720	Strand	-
Start	240	End	406
Name	OJ990426_04.9924.C16.o1.gp	Method	AAT/GAP
Start	240	End	406
GI	none	Score	311
Exons	240..406		

Seq. No.	18957	Seq. ID	OJ990426_04.9924.C16
Gene No.	39721	Strand	-
Start	1250	End	2916
Name	OJ990426_04.9924.C16.o2.ts	Method	TBLASTX:Soybean
Start	228	End	453
GI	none	Score	86
Exons	228..368, 229..357, 387..452, 388..453		

Seq. No.	18957	Seq. ID	OJ990426_04.9924.C16
Gene No.	39721	Strand	-
Start	1250	End	2916
Name	OJ990426_04.9924.C16.o2.gp	Method	AAT/GAP
Start	1250	End	1872
GI	none	Score	259
Exons	1250..1310, 1761..1872		

Seq. No.	18957	Seq. ID	OJ990426_04.9924.C16
Gene No.	39721	Strand	-
Start	1250	End	2916
Name	OJ990426_04.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	1759	End	2916
GI	none	Score	66
Exons	1759..1857, 1761..1889, 1796..1852, 1831..2106, 1835..2098, 1922..2122, 2737..2916, 2744..2908		

Seq. No.	18957	Seq. ID	OJ990426_04.9924.C16
Gene No.	39721	Strand	-
Start	1250	End	2916
Name	OJ990426_04.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	1762	End	2062
GI	none	Score	333
Exons	1762..2061, 1763..2062		

Seq. No.	18957	Seq. ID	OJ990426_04.9924.C16
Gene No.	39722	Strand	
Start	2837	End	3394
Name	OJ990426_04.9924.C16.o2.tm	Method	TBLASTX:Maize
Start	2837	End	3394
GI	none	Score	163
Exons	2837..2947, 2837..2947, 2839..2970, 2940..2975, 2948..2974, 2970..3032, 3000..3032, 3104..3184, 3113..3205, 3121..3312, 3122..3271, 3344..3394, 3345..3392		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39723	Strand	+
Start	422	End	5387
Name	OJ990426_04.9924.C18.o1.gs	Method	GENSCAN
Start	422	End	5387
GI	none	Score	.65
Exons	422..530, 617..721, 812..943, 1409..1588, 2567..2924, 4072..4153, 4298..4396, 4677..4752, 5359..5387		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39724	Strand	+
Start	6223	End	8414
Name	OJ990426_04.9924.C18.o2.gs	Method	GENSCAN
Start	6223	End	7853
GI	none	Score	.73
Exons	6223..6576, 6665..6826, 6985..7107, 7214..7410, 7493..7853		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39724	Strand	+
Start	6223	End	8414
Name	OJ990426_04.9924.C18.o1.np	Method	AAT/NAP
Start	6250	End	7873
GI	6630540	Score	867
Exons	6250..6576, 6665..6859, 6985..7107, 7214..7410, 7493..7873		
GI Descrip.	(AC011708) putative (1-4)-beta-mannan endohydrolase [Arabidopsis thaliana]		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39724	Strand	+
Start	6223	End	8414
Name	OJ990426_04.9924.C18.o2.np	Method	AAT/NAP
Start	7106	End	8414
GI	5777617	Score	85
Exons	7106..7166, 8315..8414		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39725	Strand	+
Start	10188	End	10509

Name	OJ990426_04.9924.C18.o1.gp	Method	AAT/GAP
Start	10188	End	10509
GI	none	Score	628
Exons	10188..10509		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39726	Strand	+
Start	10474	End	11524
Name	OJ990426_04.9924.C18.o3.np	Method	AAT/NAP
Start	10440	End	11524
GI	6739283	Score	395
Exons	10440..10974, 11498..11524		
GI Descrip.	(AF093547) abscisic acid responsive elements-binding factor [Arabidopsis thaliana]		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39726	Strand	+
Start	10474	End	11524
Name	OJ990426_04.9924.C18.o4.gs	Method	GENSCAN
Start	10474	End	11364
GI	none	Score	.62
Exons	10474..11240, 11255..11364		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39726	Strand	+
Start	10474	End	11524
Name	OJ990426_04.9924.C18.o4.np	Method	AAT/NAP
Start	11225	End	11397
GI	2911062	Score	87
Exons	11225..11397		
GI Descrip.	(AL021961) bZIP transcription factor - like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o2.ts	Method	TBLASTX:Soybean
Start	1000	End	1293
GI	none	Score	50
Exons	1000..1029, 1062..1088, 1063..1092, 1131..1244, 1132..1254, 1252..1293		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o2.tm	Method	TBLASTX:Maize
Start	1217	End	1586
GI	none	Score	94
Exons	1217..1585, 1218..1340, 1219..1419, 1223..1579, 1473..1586, 1477..1581		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o3.tm	Method	TBLASTX:Maize
Start	2629	End	2935
GI	none	Score	59

Exons	2629..2670, 2629..2670, 2651..2860, 2667..2891, 2668..2931, 2668..2934, 2768..2935		
Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o2.tw	Method	TBLASTX:Wheat
Start	4073	End	4518
GI	none	Score	85
Exons	4073..4126, 4075..4119, 4116..4160, 4284..4376, 4285..4374, 4361..4420, 4363..4425, 4394..4474, 4400..4453, 4433..4516, 4444..4518		
Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o4.tm	Method	TBLASTX:Maize
Start	4280	End	4510
GI	none	Score	152
Exons	4280..4507, 4282..4509, 4284..4502, 4285..4503, 4295..4510		
Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o5.tm	Method	TBLASTX:Maize
Start	6312	End	6757
GI	none	Score	194
Exons	6312..6524, 6337..6525, 6514..6573, 6520..6573, 6662..6757, 6664..6756		
Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o1.ts	Method	TBLASTX:Soybean
Start	6315	End	7832
GI	none	Score	270
Exons	6315..6551, 6328..6573, 6609..6788, 6629..6817, 6630..6860, 6653..6862, 6661..6876, 6982..7107, 6984..7118, 7208..7303, 7211..7300, 7318..7410, 7319..7420, 7493..7816, 7494..7832		
Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o2.tc	Method	TBLASTX:Cress
Start	6315	End	6721
GI	none	Score	279
Exons	6315..6572, 6328..6573, 6656..6721, 6661..6720		
Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o1.tc	Method	TBLASTX:Cress
Start	6758	End	7351
GI	none	Score	127
Exons	6758..6871, 6758..6883, 6982..7107, 6984..7109, 6984..7118, 7208..7303, 7211..7300, 7310..7351		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o1.tm	Method	TBLASTX:Maize
Start	6982	End	7841
GI	none	Score	155
Exons	6982..7107, 6993..7103, 7208..7297, 7336..7404, 7337..7411, 7502..7777, 7503..7841		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o1.tw	Method	TBLASTX:Wheat
Start	7011	End	7411
GI	none	Score	127
Exons	7011..7100, 7012..7107, 7018..7107, 7205..7303, 7208..7297, 7336..7404, 7337..7411		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39727	Strand	-
Start	8562	End	9197
Name	OJ990426_04.9924.C18.o3.gs	Method	GENSCAN
Start	8562	End	9197
GI	none	Score	.99
Exons	8562..9197		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39728	Strand	
Start	10515	End	10827
Name	OJ990426_04.9924.C18.o6.tm	Method	TBLASTX:Maize
Start	10515	End	10827
GI	none	Score	104
Exons	10515..10613, 10537..10614, 10570..10650, 10584..10661, 10590..10649, 10591..10662, 10750..10827, 10755..10820		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39728	Strand	
Start	10515	End	10827
Name	OJ990426_04.9924.C18.o3.tc	Method	TBLASTX:Cress
Start	10530	End	10788
GI	none	Score	178
Exons	10530..10661, 10537..10662, 10750..10788		

Seq. No.	18958	Seq. ID	OJ990426_04.9924.C18
Gene No.	39729	Strand	
Start	11072	End	11372
Name	OJ990426_04.9924.C18.o7.tm	Method	TBLASTX:Maize
Start	11072	End	11372
GI	none	Score	50
Exons	11072..11146, 11095..11211, 11166..11372, 11167..11364		

Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39730	Strand	+
Start	1	End	5143
Name	OJ990426_04.9924.C19.o1.np	Method	AAT/NAP
Start	1	End	3293
GI	6739280	Score	144

Exons	1..21, 485..556, 1631..1660, 3216..3293		
GI Descrip.	(AF093546) abscisic acid responsive elements-binding factor [Arabidopsis thaliana]		
Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39730	Strand	+
Start	1	End	5143
Name	OJ990426_04.9924.C19.o1.gs	Method	GENSCAN
Start	476	End	5143
GI	none	Score	.73
Exons	476..556, 1631..1660, 4723..4860, 4869..4958, 5054..5143		
Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39730	Strand	+
Start	1	End	5143
Name	OJ990426_04.9924.C19.o1.gp	Method	AAT/GAP
Start	3481	End	3876
GI	4715386	Score	720
Exons	3481..3876		
Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39731	Strand	+
Start	5364	End	6088
Name	OJ990426_04.9924.C19.o2.gp	Method	AAT/GAP
Start	5364	End	6088
GI	none	Score	787
Exons	5364..5720, 6011..6088		
Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39732	Strand	-
Start	5638	End	11130
Name	OJ990426_04.9924.C19.o2.np	Method	AAT/NAP
Start	5614	End	6613
GI	4335725	Score	174
Exons	5614..5717, 6048..6401, 6583..6613		
GI Descrip.	(AC006248) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39732	Strand	-
Start	5638	End	11130
Name	OJ990426_04.9924.C19.o2.gs	Method	GENSCAN
Start	5638	End	11130
GI	none	Score	.72
Exons	5638..5717, 6009..6705, 6871..6961, 7464..7788, 10341..10587, 11077..11130		
Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39732	Strand	-
Start	5638	End	11130
Name	OJ990426_04.9924.C19.o1.tm	Method	TBLASTX:Maize
Start	5653	End	6406
GI	none	Score	103
Exons	5653..5718, 5657..5719, 5997..6053, 6008..6073, 6151..6216, 6152..6202, 6199..6306, 6226..6288, 6337..6405, 6338..6406		
Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39732	Strand	-

Start	5638	End	11130
Name	OJ990426_04.9924.C19.o3.gp	Method	AAT/GAP
Start	6131	End	6427
GI	20139_1.R1084	Score	521
Exons	6131..6427		
GI Descrip.	'3297823/emb|CAA19881.1| 9.0e-09 (AL031032) putative protein [Arabidopsis thaliana]'		

Seq. No.	18959	Seq. ID	OJ990426_04.9924.C19
Gene No.	39732	Strand	-
Start	5638	End	11130
Name	OJ990426_04.9924.C19.o2.tm	Method	TBLASTX:Maize
Start	7600	End	7806
GI	none	Score	207
Exons	7600..7806		

Seq. No.	18960	Seq. ID	OJ990426_04.9924.C21
Gene No.	39733	Strand	-
Start	68	End	1999
Name	OJ990426_04.9924.C21.o1.gp	Method	AAT/GAP
Start	68	End	1337
GI	4963_1.R1084	Score	1165
Exons	68..323, 401..499, 960..1141, 1237..1337		
GI Descrip.	'5824411/emb|CAA93107.2| 2.0e-54 (Z68882) Similarity to Bovine inorganic pyrophosphatase (SW:IPYR_BOVIN); cDNA EST EMBL:D66533 comes from this gene; cDNA EST EMBL:D70345 comes from this gene; cDNA EST yk338a8.3 comes from this gene; cDNA EST yk338a8.5 comes '		

Seq. No.	18960	Seq. ID	OJ990426_04.9924.C21
Gene No.	39733	Strand	-
Start	68	End	1999
Name	OJ990426_04.9924.C21.o1.np	Method	AAT/NAP
Start	104	End	1999
GI	6647559	Score	301
Exons	104..323, 401..499, 960..1141, 1237..1335, 1952..1999		
GI Descrip.	PROBABLE INORGANIC PYROPHOSPHATASE (PYROPHOSPHATE PHOSPHO-HYDROLASE) (PPASE)		

Seq. No.	18960	Seq. ID	OJ990426_04.9924.C21
Gene No.	39733	Strand	-
Start	68	End	1999
Name	OJ990426_04.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	139	End	1358
GI	none	Score	40
Exons	139..222, 199..225, 222..323, 223..324, 227..325, 230..325, 399..500, 401..499, 951..1142, 960..1145, 1231..1338, 1238..1315, 1239..1358, 1239..1346		

Seq. No.	18960	Seq. ID	OJ990426_04.9924.C21
Gene No.	39733	Strand	-
Start	68	End	1999
Name	OJ990426_04.9924.C21.o1.ts	Method	TBLASTX:Soybean
Start	225	End	1043
GI	none	Score	110
Exons	225..314, 399..500, 401..499, 963..1043, 973..1023		

Seq. No.	18960	Seq. ID	OJ990426_04.9924.C21
Gene No.	39733	Strand	-
Start	68	End	1999
Name	OJ990426_04.9924.C21.o1.gs	Method	GENSCAN
Start	231	End	1369
GI	none	Score	.83
Exons	231..323, 401..499, 960..1141, 1237..1369		

Seq. No.	18960	Seq. ID	OJ990426_04.9924.C21
Gene No.	39733	Strand	-
Start	68	End	1999
Name	OJ990426_04.9924.C21.o1.tc	Method	TBLASTX:Cress
Start	232	End	509
GI	none	Score	75
Exons	232..321, 237..323, 238..318, 239..325, 240..320, 399..500, 401..499, 402..509, 403..501		

Seq. No.	18960	Seq. ID	OJ990426_04.9924.C21
Gene No.	39733	Strand	-
Start	68	End	1999
Name	OJ990426_04.9924.C21.o2.tc	Method	TBLASTX:Cress
Start	1056	End	1358
GI	none	Score	87
Exons	1056..1145, 1056..1145, 1081..1146, 1115..1156, 1185..1301, 1232..1309, 1238..1315, 1239..1358, 1239..1346, 1240..1350		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39734	Strand	+
Start	1484	End	4572
Name	OJ990426_04.9924.C22.o2.gs	Method	GENSCAN
Start	1484	End	4572
GI	none	Score	.51
Exons	1484..1583, 1939..2118, 2175..2270, 2369..2546, 2571..2717, 2984..3146, 4450..4572		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39734	Strand	+
Start	1484	End	4572
Name	OJ990426_04.9924.C22.o3.np	Method	AAT/NAP
Start	2296	End	2777
GI	5091602	Score	382
Exons	2296..2777		
GI Descrip.	(AC007858) 10A19I.6 [Oryza sativa]		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39735	Strand	-
Start	1	End	2560
Name	OJ990426_04.9924.C22.o1.np	Method	AAT/NAP
Start	1	End	1024
GI	585322	Score	193
Exons	1..35, 787..1024		
GI Descrip.	INORGANIC PYROPHOSPHATASE (PYROPHOSPHATE PHOSPHO-HYDROLASE) (PPASE) gi|539751|pir||A45153 inorganic pyrophosphatase (EC 3.6.1.1) - bovine		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39735	Strand	-

Start	1	End	2560
Name	OJ990426_04.9924.C22.o2.np	Method	AAT/NAP
Start	1	End	2560
GI	5091602	Score	63
Exons	1..55, 1761..1938, 2483..2560		
GI Descrip.	(AC007858) 10A19I.6 [Oryza sativa]		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39735	Strand	-
Start	1	End	2560
Name	OJ990426_04.9924.C22.o1.tm	Method	TBLASTX:Maize
Start	774	End	1976
GI	none	Score	372
Exons	774..878, 777..1010, 779..1018, 1026..1043, 1058..1093, 1059..1094, 1095..1127, 1817..1840, 1867..1884, 1896..1976		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39735	Strand	-
Start	1	End	2560
Name	OJ990426_04.9924.C22.o1.tc	Method	TBLASTX:Cress
Start	777	End	1018
GI	none	Score	221
Exons	777..1004, 779..1018		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39735	Strand	-
Start	1	End	2560
Name	OJ990426_04.9924.C22.o1.ts	Method	TBLASTX:Soybean
Start	779	End	1007
GI	none	Score	221
Exons	779..1006, 780..1007		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39735	Strand	-
Start	1	End	2560
Name	OJ990426_04.9924.C22.o2.gp	Method	AAT/GAP
Start	865	End	1233
GI	none	Score	723
Exons	865..1233		

Seq. No.	18961	Seq. ID	OJ990426_04.9924.C22
Gene No.	39735	Strand	-
Start	1	End	2560
Name	OJ990426_04.9924.C22.o1.tw	Method	TBLASTX:Wheat
Start	918	End	1184
GI	none	Score	149
Exons	918..1184, 920..1096		

Seq. No.	18962	Seq. ID	OJ990426_04.9924.C23
Gene No.	39736	Strand	-
Start	1231	End	1308
Name	OJ990426_04.9924.C23.o1.gs	Method	GENSCAN
Start	1231	End	1308
GI	none	Score	.62
Exons	1231..1308		

Seq. No.	18963	Seq. ID	OJ990426_04.9924.C24

Gene No.	39737	Strand	-
Start	105	End	3259
Name	OJ990426_04.9924.C24.o1.np	Method	AAT/NAP
Start	105	End	1902
GI	6907086	Score	1497
Exons	105..474, 549..689, 924..1088, 1146..1902		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18963	Seq. ID	OJ990426_04.9924.C24
Gene No.	39737	Strand	-
Start	105	End	3259
Name	OJ990426_04.9924.C24.o1.gs	Method	GENSCAN
Start	1126	End	3009
GI	none	Score	.59
Exons	1126..1640, 2144..2279, 2852..3009		

Seq. No.	18963	Seq. ID	OJ990426_04.9924.C24
Gene No.	39737	Strand	-
Start	105	End	3259
Name	OJ990426_04.9924.C24.o1.gp	Method	AAT/GAP
Start	1987	End	2178
GI	5667165	Score	360
Exons	1987..2178		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	18963	Seq. ID	OJ990426_04.9924.C24
Gene No.	39737	Strand	-
Start	105	End	3259
Name	OJ990426_04.9924.C24.o2.np	Method	AAT/NAP
Start	2612	End	3259
GI	4680186	Score	170
Exons	2612..3259		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39738	Strand	+
Start	151	End	646
Name	OJ990426_04.9924.C25.o1.gp	Method	AAT/GAP
Start	151	End	646
GI	38782_1.R1084	Score	831
Exons	151..646		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39738	Strand	+
Start	151	End	646
Name	OJ990426_04.9924.C25.o1.gs	Method	GENSCAN
Start	285	End	358
GI	none	Score	1
Exons	285..358		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39739	Strand	+
Start	1869	End	4364
Name	OJ990426_04.9924.C25.o1.np	Method	AAT/NAP

Start	1869	End	4346
GI	6552743	Score	787
Exons	1869..2059, 2951..3013, 3103..3221, 3317..3726, 3822..3973, 4111..4346		
GI Descrip.	(AC013482) T26F17.11 [Arabidopsis thaliana]		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39739	Strand	+
Start	1869	End	4364
Name	OJ990426_04.9924.C25.o4.gp	Method	AAT/GAP
Start	3605	End	4364
GI	15115_1.R1084	Score	960
Exons	3605..3726, 3822..3973, 4111..4364		
GI Descrip.	'4056506 2.0e-26 (AC005896) nodulin-like protein [Arabidopsis thaliana]'		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39740	Strand	+
Start	6936	End	10634
Name	OJ990426_04.9924.C25.o3.gs	Method	GENSCAN
Start	6936	End	10634
GI	none	Score	.78
Exons	6936..6938, 7328..7597, 9170..9379, 9488..9564, 10071..10099, 10456..10634		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39740	Strand	+
Start	6936	End	10634
Name	OJ990426_04.9924.C25.o2.np	Method	AAT/NAP
Start	7385	End	10096
GI	6630552	Score	373
Exons	7385..7597, 9170..9379, 9488..9564, 9955..10096		
GI Descrip.	(AC011708) putative membrane protein [Arabidopsis thaliana]		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39740	Strand	+
Start	6936	End	10634
Name	OJ990426_04.9924.C25.o5.gp	Method	AAT/GAP
Start	9342	End	10355
GI	51163_1.R1084	Score	930
Exons	9342..9379, 9488..9564, 9955..10355		
GI Descrip.	'3548801 4.0e-12 (AC005313) putative transmembrane protein [Arabidopsis thaliana] >gi_4335768_gb_AAD17445_ (AC006284) putative integral membrane protein [Arabidopsis thaliana]'		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39741	Strand	+
Start	11242	End	12821
Name	OJ990426_04.9924.C25.o3.np	Method	AAT/NAP
Start	11231	End	12821
GI	4874269	Score	251
Exons	11231..11411, 11710..11880, 11954..12316, 12540..12821		
GI Descrip.	(AC007354) T16B5.7 [Arabidopsis thaliana] gi|6573742|gb|AAF17662.1|AC009398_11 (AC009398) F20B24.21 [Arabidopsis thaliana]		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25

Gene No.	39741	Strand	+
Start	11242	End	12821
Name	OJ990426_04.9924.C25.o4.gs	Method	GENSCAN
Start	11242	End	12340
GI	none	Score	.71
Exons	11242..11473, 11765..11874, 11954..12340		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39742	Strand	-
Start	2949	End	3014
Name	OJ990426_04.9924.C25.o3.gp	Method	AAT/GAP
Start	2949	End	3014
GI	uC-osroM202011f01b1	Score	112
Exons	2949..3014		
GI Descrip.	'2623304 1.0e-16 (AC002409) similar to Medicago nodulin N21 [Arabidopsis thaliana]'		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39743	Strand	-
Start	14019	End	14299
Name	OJ990426_04.9924.C25.o4.np	Method	AAT/NAP
Start	14018	End	14299
GI	5262201	Score	159
Exons	14018..14089, 14194..14299		
GI Descrip.	(AL080252) putative protein [Arabidopsis thaliana]		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39743	Strand	-
Start	14019	End	14299
Name	OJ990426_04.9924.C25.o5.gs	Method	GENSCAN
Start	14019	End	14247
GI	none	Score	.76
Exons	14019..14150, 14194..14247		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o3.tm	Method	TBLASTX:Maize
Start	1861	End	3461
GI	none	Score	97
Exons	1861..1950, 1868..2059, 1869..2060, 2942..3004, 2948..3019, 2949..3014, 2976..3029, 3069..3131, 3095..3220, 3103..3234, 3316..3456, 3318..3461		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o1.tw	Method	TBLASTX:Wheat
Start	1881	End	3416
GI	none	Score	74
Exons	1881..1937, 1883..1933, 1931..2056, 1932..2060, 2958..3014, 3094..3216, 3095..3220, 3313..3414, 3321..3416, 3321..3416		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o1.ts	Method	TBLASTX:Soybean

Start	1887	End	3884
GI	none	Score	162
Exons	1887..2060, 1898..2062, 2931..3014, 3098..3220, 3103..3219, 3313..3432, 3318..3422, 3499..3666, 3507..3665, 3631..3726, 3821..3883, 3822..3884		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o1.tc	Method	TBLASTX:Cress
Start	3101	End	3974
GI	none	Score	122
Exons	3101..3220, 3313..3435, 3499..3669, 3667..3726, 3822..3974		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	3529	End	4180
GI	none	Score	276
Exons	3529..3726, 3531..3740, 3821..3973, 3822..3971, 4106..4180, 4109..4174		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o2.tw	Method	TBLASTX:Wheat
Start	7384	End	9350
GI	none	Score	86
Exons	7384..7539, 7451..7519, 7453..7602, 7460..7597, 9163..9348, 9168..9350, 9173..9349		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o2.tm	Method	TBLASTX:Maize
Start	7418	End	10234
GI	none	Score	224
Exons	7418..7519, 7456..7602, 7460..7600, 9163..9411, 9168..9356, 9173..9379, 9313..9381, 9485..9565, 9486..9569, 9488..9565, 9916..10074, 9952..10110, 9953..10111, 10201..10233, 10205..10234		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o2.ts	Method	TBLASTX:Soybean
Start	7444	End	10129
GI	none	Score	126
Exons	7444..7545, 7463..7567, 9163..9300, 9168..9284, 9173..9301, 9302..9379, 9311..9379, 9313..9405, 9316..9381, 9488..9565, 9500..9571, 9567..9614, 9952..10089, 9953..10129		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o2.tc	Method	TBLASTX:Cress

Start	7459	End	10104
GI	none	Score	138
Exons	7459..7560, 7460..7567, 9160..9279, 9169..9258, 9173..9298, 9305..9379, 9307..9405, 9488..9565, 9949..10104, 9953..10102		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o4.tm	Method	TBLASTX:Maize
Start	14012	End	14286
GI	none	Score	99
Exons	14012..14092, 14013..14090, 14013..14099, 14014..14100, 14192..14284, 14194..14286, 14194..14286		

Seq. No.	18964	Seq. ID	OJ990426_04.9924.C25
Gene No.	39744	Strand	-
Start	14221	End	14299
Name	OJ990426_04.9924.C25.o6.gp	Method	AAT/GAP
Start	14221	End	14299
GI	uC-osflcyp081a04b1	Score	106
Exons	14221..14299		
GI Descrip.	'5262201/emb|CAB45798.1| 2.0e-19 (AL080252) putative protein [Arabidopsis thaliana]'		

Seq. No.	18965	Seq. ID	OJ990426_04.9924.C28
Gene No.	39745	Strand	-
Start	28	End	569
Name	OJ990426_04.9924.C28.o1.gs	Method	GENSCAN
Start	28	End	569
GI	none	Score	.54
Exons	28..139, 255..354, 515..569		

Seq. No.	18966	Seq. ID	OJ990426_04.9924.C32
Gene No.	39746	Strand	+
Start	68	End	285
Name	OJ990426_04.9924.C32.o1.gs	Method	GENSCAN
Start	68	End	285
GI	none	Score	.88
Exons	68..285		

Seq. No.	18967	Seq. ID	OJ990426_06.9924.C1
Gene No.	39747	Strand	+
Start	85	End	222
Name	OJ990426_06.9924.C1.o1.gs	Method	GENSCAN
Start	85	End	222
GI	none	Score	.79
Exons	85..222		

Seq. No.	18968	Seq. ID	OJ990426_06.9924.C3
Gene No.	39748	Strand	-
Start	1	End	3932
Name	OJ990426_06.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	1878
GI	6815109	Score	197
Exons	1..33, 826..1301, 1713..1878		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	18968	Seq. ID	OJ990426_06.9924.C3
Gene No.	39748	Strand	-
Start	1	End	3932
Name	OJ990426_06.9924.C3.o1.gs	Method	GENSCAN
Start	659	End	3824
GI	none	Score	.56
Exons	659..771, 1699..1750, 2056..2106, 3043..3204, 3348..3552, 3817..3824		

Seq. No.	18968	Seq. ID	OJ990426_06.9924.C3
Gene No.	39748	Strand	-
Start	1	End	3932
Name	OJ990426_06.9924.C3.o2.np	Method	AAT/NAP
Start	2949	End	3932
GI	5042454	Score	309
Exons	2949..3313, 3792..3932		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	18969	Seq. ID	OJ990426_06.9924.C4
Gene No.	39749	Strand	+
Start	873	End	994
Name	OJ990426_06.9924.C4.o1.gs	Method	GENSCAN
Start	873	End	994
GI	none	Score	.91
Exons	873..994		

Seq. No.	18969	Seq. ID	OJ990426_06.9924.C4
Gene No.	39750	Strand	+
Start	4954	End	5965
Name	OJ990426_06.9924.C4.o2.gs	Method	GENSCAN
Start	4954	End	5913
GI	none	Score	.8
Exons	4954..5913		

Seq. No.	18969	Seq. ID	OJ990426_06.9924.C4
Gene No.	39750	Strand	+
Start	4954	End	5965
Name	OJ990426_06.9924.C4.o2.np	Method	AAT/NAP
Start	4954	End	5965
GI	118306	Score	883
Exons	4954..5965		
GI Descrip.	AROMATIC-L-AMINO-ACID DECARBOXYLASE (DOPA DECARBOXYLASE) (TRYPTOPHAN DECARBOXYLASE) gi|68027|pir||DCJAAP aromatic-L-amino-acid decarboxylase (EC 4.1.1.28) - Madagascar periwinkle gi|18226|emb|CAA47898.1| (X67662) tryptophan decarboxylase [Catharanthus roseus] gi|167490 (M25151) tryptophan decarboxylase (EC 4.1.1.28) [Catharanthus roseus]		

Seq. No.	18969	Seq. ID	OJ990426_06.9924.C4
Gene No.	39751	Strand	-
Start	1	End	5965
Name	OJ990426_06.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	5965
GI	6815109	Score	191
Exons	1..417, 5893..5965		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	18969	Seq. ID	OJ990426_06.9924.C4
Gene No.	39751	Strand	-
Start	1	End	5965
Name	OJ990426_06.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	5005	End	5279
GI	none	Score	226
Exons	5005..5277, 5058..5279		

Seq. No.	18969	Seq. ID	OJ990426_06.9924.C4
Gene No.	39751	Strand	-
Start	1	End	5965
Name	OJ990426_06.9924.C4.o2.tc	Method	TBLASTX:Cress
Start	5064	End	5262
GI	none	Score	188
Exons	5064..5258, 5065..5262		

Seq. No.	18969	Seq. ID	OJ990426_06.9924.C4
Gene No.	39751	Strand	-
Start	1	End	5965
Name	OJ990426_06.9924.C4.o1.tc	Method	TBLASTX:Cress
Start	5557	End	5904
GI	none	Score	195
Exons	5557..5778, 5795..5839, 5839..5904		

Seq. No.	18969	Seq. ID	OJ990426_06.9924.C4
Gene No.	39751	Strand	-
Start	1	End	5965
Name	OJ990426_06.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	5589	End	5852
GI	none	Score	101
Exons	5589..5678, 5589..5852, 5590..5850		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39752	Strand	+
Start	1	End	577
Name	OJ990426_06.9924.C5.o1.np	Method	AAT/NAP
Start	1	End	577
GI	118306	Score	540
Exons	1..577		
GI Descrip.	AROMATIC-L-AMINO-ACID DECARBOXYLASE (DOPA DECARBOXYLASE) (TRYPTOPHAN DECARBOXYLASE) gi|68027|pir||DCJAAP aromatic-L-amino-acid decarboxylase (EC 4.1.1.28) - Madagascar periwinkle gi|18226|emb|CAA47898.1| (X67662) tryptophan decarboxylase [Catharanthus roseus] gi|167490 (M25151) tryptophan decarboxylase (EC 4.1.1.28) [Catharanthus roseus]		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39752	Strand	+
Start	1	End	577
Name	OJ990426_06.9924.C5.o1.gs	Method	GENSCAN
Start	20	End	574
GI	none	Score	.98
Exons	20..574		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39753	Strand	+
Start	6972	End	9701

Name	OJ990426_06.9924.C5.o4.gs	Method	GENSCAN
Start	6972	End	9701
GI	none	Score	.5
Exons	6972..7053, 8889..8978, 9010..9701		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39754	Strand	+
Start	32282	End	42553
Name	OJ990426_06.9924.C5.o9.gs	Method	GENSCAN
Start	32282	End	36507
GI	none	Score	.86
Exons	32282..32768, 33195..33287, 34642..34865, 35866..36507		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39754	Strand	+
Start	32282	End	42553
Name	OJ990426_06.9924.C5.o6.np	Method	AAT/NAP
Start	32533	End	42553
GI	5777618	Score	173
Exons	32533..32670, 33757..33954, 34674..34865, 35866..36208, 36248..36340, 37426..37543, 42535..42553		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39754	Strand	+
Start	32282	End	42553
Name	OJ990426_06.9924.C5.o10.gs	Method	GENSCAN
Start	37318	End	37716
GI	none	Score	.85
Exons	37318..37716		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39755	Strand	-
Start	1014	End	1193
Name	OJ990426_06.9924.C5.o2.gs	Method	GENSCAN
Start	1014	End	1193
GI	none	Score	.9
Exons	1014..1193		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39756	Strand	-
Start	2724	End	4689
Name	OJ990426_06.9924.C5.o3.gs	Method	GENSCAN
Start	2724	End	4689
GI	none	Score	.66
Exons	2724..2854, 3147..3257, 4677..4689		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39757	Strand	-
Start	7241	End	9508
Name	OJ990426_06.9924.C5.o2.np	Method	AAT/NAP
Start	7241	End	9508
GI	5042443	Score	131
Exons	7241..7268, 9091..9508		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5

Gene No.	39758	Strand	-
Start	11793	End	13469
Name	OJ990426_06.9924.C5.o5.gs	Method	GENSCAN
Start	11793	End	13364
GI	none	Score	.98
Exons	11793..13364		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39758	Strand	-
Start	11793	End	13469
Name	OJ990426_06.9924.C5.o3.np	Method	AAT/NAP
Start	11808	End	13364
GI	118306	Score	1430
Exons	11808..13364		
GI Descrip.	AROMATIC-L-AMINO-ACID DECARBOXYLASE (DOPA DECARBOXYLASE) (TRYPTOPHAN DECARBOXYLASE) gi|68027|pir||DCJAAP aromatic-L-amino-acid decarboxylase (EC 4.1.1.28) - Madagascar periwinkle gi|18226|emb|CAA47898.1| (X67662) tryptophan decarboxylase [Catharanthus roseus] gi|167490 (M25151) tryptophan decarboxylase (EC 4.1.1.28) [Catharanthus roseus]		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39758	Strand	-
Start	11793	End	13469
Name	OJ990426_06.9924.C5.o1.gp	Method	AAT/GAP
Start	12962	End	13469
GI	27421_1.R1084	Score	933
Exons	12962..13469		
GI Descrip.	'118306/sp|P17770|DCD_CATRO 2.0e-20 AROMATIC-L-AMINO-ACID DECARBOXYLASE (DOPA DECARBOXYLASE) (TRYPTOPHAN DECARBOXYLASE) >gi_68027_pir__DCJAAP aromatic-L-amino-acid decarboxylase (EC 4.1.1.28) - Madagascar periwinkle >gi_18226_emb_CAA47898_ (X67662) tryptophan decarboxylase [Catharanthus roseus] >gi_167490 (M25151) tryptophan decarboxylase (EC 4.1.1.28) [Catharanthus roseus]'		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39759	Strand	-
Start	19856	End	30442
Name	OJ990426_06.9924.C5.o4.np	Method	AAT/NAP
Start	19856	End	25721
GI	5777618	Score	194
Exons	19856..19941, 23608..23752, 23795..24120, 24346..24498, 25315..25721		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39759	Strand	-
Start	19856	End	30442
Name	OJ990426_06.9924.C5.o7.gs	Method	GENSCAN
Start	23467	End	30442
GI	none	Score	.43
Exons	23467..24134, 25314..25753, 26271..26391, 26815..27397, 27749..27898, 27985..28079, 28603..29176, 29860..30368, 30385..30442		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5

Gene No.	39759	Strand	-
Start	19856	End	30442
Name	OJ990426_06.9924.C5.o5.np	Method	AAT/NAP
Start	25542	End	28994
GI	5777618	Score	221
Exons	25542..25709, 26863..27012, 27058..27397, 27749..27869, 28590..28994		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39759	Strand	-
Start	19856	End	30442
Name	OJ990426_06.9924.C5.o2.gp	Method	AAT/GAP
Start	26575	End	26833
GI	2428901	Score	494
Exons	26575..26833		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39760	Strand	-
Start	31197	End	31864
Name	OJ990426_06.9924.C5.o8.gs	Method	GENSCAN
Start	31197	End	31864
GI	none	Score	.98
Exons	31197..31697, 31862..31864		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39761	Strand	-
Start	39023	End	41005
Name	OJ990426_06.9924.C5.o1.tc	Method	TBLASTX:Cress
Start	148	End	12242
GI	none	Score	190
Exons	148..342, 149..349, 401..550, 430..549, 11835..11984, 11836..11931, 12036..12242		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39761	Strand	-
Start	39023	End	41005
Name	OJ990426_06.9924.C5.o1.tw	Method	TBLASTX:Wheat
Start	292	End	12098
GI	none	Score	98
Exons	292..345, 293..352, 401..577, 413..550, 430..576, 11817..11984, 11821..11961, 11844..11972, 12034..12075, 12039..12098, 12042..12098		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39761	Strand	-
Start	39023	End	41005
Name	OJ990426_06.9924.C5.o2.tc	Method	TBLASTX:Cress
Start	12411	End	12758
GI	none	Score	194
Exons	12411..12476, 12537..12758		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39761	Strand	-
Start	39023	End	41005
Name	OJ990426_06.9924.C5.o1.tm	Method	TBLASTX:Maize
Start	12463	End	12726

GI	none	Score	191
Exons	12463..12726, 12465..12725		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39761	Strand	-
Start	39023	End	41005
Name	OJ990426_06.9924.C5.o1.ts	Method	TBLASTX:Soybean
Start	13041	End	13298
GI	none	Score	228
Exons	13041..13298		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39761	Strand	-
Start	39023	End	41005
Name	OJ990426_06.9924.C5.o2.tm	Method	TBLASTX:Maize
Start	23623	End	36351
GI	none	Score	57
Exons	23623..23706, 23626..23727, 23691..23765, 23716..23781, 23786..23905, 23800..23943, 23809..23964, 23995..24084, 23996..24085, 26885..26974, 26890..26976, 27021..27167, 27071..27226, 27074..27205, 27223..27342, 27254..27343, 27255..27344, 27256..27345, 27342..27407, 27360..27410, 35858..35908, 35904..36008, 35905..36009, 36037..36180, 36058..36201, 36205..36351, 36205..36348		

Seq. No.	18970	Seq. ID	OJ990426_06.9924.C5
Gene No.	39761	Strand	-
Start	39023	End	41005
Name	OJ990426_06.9924.C5.o11.gs	Method	GENSCAN
Start	39023	End	41005
GI	none	Score	.52
Exons	39023..39148, 39647..39873, 40082..40411, 40865..41005		

Seq. No.	18971	Seq. ID	OJ990426_06.9924.C7
Gene No.	39762	Strand	+
Start	4826	End	6881
Name	OJ990426_06.9924.C7.o1.gs	Method	GENSCAN
Start	4826	End	6551
GI	none	Score	.89
Exons	4826..5342, 5913..5959, 6264..6345, 6433..6551		

Seq. No.	18971	Seq. ID	OJ990426_06.9924.C7
Gene No.	39762	Strand	+
Start	4826	End	6881
Name	OJ990426_06.9924.C7.o2.gp	Method	AAT/GAP
Start	4966	End	6286
GI	uC-osflm202104f02b1	Score	882
Exons	4966..5342, 5797..5867, 6264..6286		
GI Descrip.	'5732076/gb|AAD48975.1|AF162444_7 9.0e-22 (AF162444) contains similarity to Pfam family PF00070 - Pyridine nucleotide-disulphide oxidoreductase class-I; score=26.1, E=0.0008, N=1 [Arabidopsis thaliana]'		

Seq. No.	18971	Seq. ID	OJ990426_06.9924.C7
Gene No.	39762	Strand	+
Start	4826	End	6881
Name	OJ990426_06.9924.C7.o1.np	Method	AAT/NAP

Start	5079	End	6881
GI	1800147	Score	290
Exons	5079..5342, 5797..5867, 6264..6345, 6433..6551, 6822..6881		
GI Descrip.	(U83655) membrane associated protein [Arabidopsis thaliana]		

Seq. No.	18971	Seq. ID	OJ990426_06.9924.C7
Gene No.	39762	Strand	+
Start	4826	End	6881
Name	OJ990426_06.9924.C7:o1.tm	Method	TBLASTX:Maize
Start	5784	End	6551
GI	none	Score	111
Exons	5784..5867, 5795..5872, 5796..5867, 6258..6344, 6259..6345, 6263..6343, 6423..6482, 6431..6478, 6483..6551, 6485..6550		

Seq. No.	18971	Seq. ID	OJ990426_06.9924.C7
Gene No.	39762	Strand	+
Start	4826	End	6881
Name	OJ990426_06.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	5798	End	6551
GI	none	Score	96
Exons	5798..5866, 5799..5867, 6258..6344, 6258..6317, 6263..6346, 6263..6343, 6437..6550, 6447..6551		

Seq. No.	18972	Seq. ID	OJ990426_06.9924.C8
Gene No.	39763	Strand	+
Start	452	End	2298
Name	OJ990426_06.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	439	End	2298
GI	none	Score	60
Exons	439..522, 443..511, 450..518, 450..527, 451..522, 912..998, 913..999, 917..997, 1077..1136, 1085..1132, 1137..1205, 1139..1204, 1471..1554, 1475..1564, 1476..1553, 1624..1713, 1637..1756, 1638..1757, 1639..1713, 1640..1756, 1710..1781, 1865..1930, 1866..1931, 1866..1931, 1867..1932, 2037..2063, 2063..2113, 2101..2199, 2236..2298		

Seq. No.	18972	Seq. ID	OJ990426_06.9924.C8
Gene No.	39763	Strand	+
Start	452	End	2298
Name	OJ990426_06.9924.C8.o1.np	Method	AAT/NAP
Start	452	End	1926
GI	1800147	Score	498
Exons	452..522, 918..999, 1087..1205, 1476..1553, 1638..1757, 1867..1926		
GI Descrip.	(U83655) membrane associated protein [Arabidopsis thaliana]		

Seq. No.	18972	Seq. ID	OJ990426_06.9924.C8
Gene No.	39763	Strand	+
Start	452	End	2298
Name	OJ990426_06.9924.C8.o1.ts	Method	TBLASTX:Soybean
Start	453	End	1920
GI	none	Score	96
Exons	453..521, 454..522, 912..998, 912..971, 917..1000, 917..997, 1091..1204, 1101..1205, 1475..1564, 1476..1556, 1644..1763, 1667..1762, 1719..1790, 1867..1920, 1869..1919		

Seq. No.	18972	Seq. ID	OJ990426_06.9924.C8

Gene No.	39763	Strand	+
Start	452	End	2298
Name	OJ990426_06.9924.C8.o1.gs	Method	GENSCAN
Start	568	End	1926
GI	none	Score	.89
Exons	568..614, 918..999, 1087..1205, 1476..1553, 1638..1757, 1867..1926		

Seq. No.	18972	Seq. ID	OJ990426_06.9924.C8
Gene No.	39763	Strand	+
Start	452	End	2298
Name	OJ990426_06.9924.C8.o1.gp	Method	AAT/GAP
Start	924	End	2183
GI	20101_1.R1084	Score	1284
Exons	924..999, 1087..1205, 1476..1553, 1638..1757, 1867..2183		
GI Descrip.	'3080389/emb|CAA18709.1| 7.0e-42 (AL022603) putative membrane associated protein [Arabidopsis thaliana]'		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o1.gp	Method	AAT/GAP
Start	397	End	957
GI	3767852	Score	848
Exons	397..769, 882..957		
GI Descrip.	5732076/gb|AAD48975.1|AF162444_7 9.0e-22 (AF162444) contains similarity to Pfam family PF00070 - Pyridine nucleotide-disulphide oxidoreductase class-I; score=26.1, E=0.0008, N=1 [Arabidopsis thaliana]		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o1.tm	Method	TBLASTX:Maize
Start	495	End	2923
GI	none	Score	41
Exons	495..542, 544..594, 577..612, 649..771, 651..770, 653..772, 881..967, 882..968, 933..968, 948..1004, 968..1003, 1227..1376, 1246..1377, 1246..1377, 1247..1381, 1247..1378, 1470..1763, 1476..1760, 2110..2205, 2112..2219, 2112..2219, 2283..2408, 2293..2508, 2293..2508, 2297..2512, 2667..2921, 2669..2923, 2669..2923		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o3.tc	Method	TBLASTX:Cress
Start	674	End	1007
GI	none	Score	86
Exons	674..772, 682..771, 881..1003, 882..1001, 888..1007		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o1.np	Method	AAT/NAP
Start	685	End	4459
GI	5732076	Score	1778

Exons	685..769, 882..1001, 1252..1373, 1482..1754, 2112..2216, 2293..2509, 2670..2920, 3176..3382, 3745..4016, 4378..4459
GI Descrip.	(AF162444) contains similarity to Pfam family PF00070 - Pyridine nucleotide-disulphide oxidoreductase class-I; score=26.1, E=0.0008, N=1 [Arabidopsis thaliana]

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o1.ts	Method	TBLASTX:Soybean
Start	881	End	1760
GI	none	Score	156
Exons	881..1003, 882..1004, 1227..1376, 1252..1374, 1470..1751, 1476..1760, 1477..1755		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o1.gs	Method	GENSCAN
Start	882	End	4009
GI	none	Score	.81
Exons	882..1001, 1252..1373, 1482..1754, 2112..2216, 2293..2509, 2670..2920, 3176..3382, 3745..4009		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o1.tc	Method	TBLASTX:Cress
Start	1308	End	2210
GI	none	Score	56
Exons	1308..1376, 1315..1374, 1476..1580, 1477..1533, 1572..1751, 1578..1760, 1588..1755, 2110..2199, 2112..2210		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o2.ts	Method	TBLASTX:Soybean
Start	2154	End	4011
GI	none	Score	41
Exons	2154..2219, 2155..2199, 2292..2372, 2293..2373, 2297..2380, 2383..2508, 2407..2508, 2423..2512, 2645..2923, 2669..2923, 2754..2927, 3174..3374, 3176..3385, 3742..3945, 3745..3921, 3746..4009, 3773..3949, 3979..4011		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o4.tc	Method	TBLASTX:Cress
Start	2293	End	2513
GI	none	Score	66
Exons	2293..2373, 2293..2379, 2297..2422, 2377..2508, 2442..2513		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o2.tc	Method	TBLASTX:Cress
Start	2672	End	4011

GI	none	Score	67
Exons	2672..2923, 2673..2786, 2877..2921, 3174..3362, 3176..3382, 3179..3403, 3754..3921, 3755..3919, 3759..3974, 3761..3940, 3973..4011		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o1.tw	Method	TBLASTX:Wheat
Start	3335	End	3938
GI	none	Score	54
Exons	3335..3394, 3335..3385, 3745..3921, 3746..3919, 3762..3938		

Seq. No.	18973	Seq. ID	OJ990426_06.9924.C9
Gene No.	39764	Strand	-
Start	397	End	4459
Name	OJ990426_06.9924.C9.o2.gp	Method	AAT/GAP
Start	3915	End	4010
GI	428528	Score	170
Exons	3915..4010		

Seq. No.	18974	Seq. ID	OJ990426_06.9924.C12
Gene No.	39765	Strand	+
Start	157	End	683
Name	OJ990426_06.9924.C12.o1.gs	Method	GENSCAN
Start	157	End	683
GI	none	Score	.67
Exons	157..405, 513..683		

Seq. No.	18975	Seq. ID	OJ990426_06.9924.C14
Gene No.	39766	Strand	+
Start	983	End	1370
Name	OJ990426_06.9924.C14.o1.np	Method	AAT/NAP
Start	983	End	1370
GI	6002794	Score	554
Exons	983..1370		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o1.np	Method	AAT/NAP
Start	262	End	4839
GI	4680179	Score	4560
Exons	262..1318, 1421..4839		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o8.tw	Method	TBLASTX:Wheat
Start	481	End	858
GI	none	Score	265
Exons	481..858		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+

Start	262	End	4839
Name	OJ990426_06.9924.C15.o6.tm	Method	TBLASTX:Maize
Start	739	End	1140
GI	none	Score	235
Exons	739..1140		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o7.tm	Method	TBLASTX:Maize
Start	1449	End	1773
GI	none	Score	206
Exons	1449..1562, 1450..1773		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o7.tw	Method	TBLASTX:Wheat
Start	1456	End	1854
GI	none	Score	166
Exons	1456..1677, 1462..1509, 1500..1610, 1686..1805, 1690..1854		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o8.tm	Method	TBLASTX:Maize
Start	1873	End	2070
GI	none	Score	202
Exons	1873..2070, 1923..2069		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o3.tw	Method	TBLASTX:Wheat
Start	2001	End	2484
GI	none	Score	542
Exons	2001..2456, 2002..2484, 2017..2475		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o3.tm	Method	TBLASTX:Maize
Start	2071	End	2538
GI	none	Score	385
Exons	2071..2538, 2142..2501		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o1.ts	Method	TBLASTX:Soybean
Start	2425	End	2820
GI	none	Score	56
Exons	2425..2457, 2425..2457, 2461..2820, 2461..2511, 2577..2819		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839

Name	OJ990426_06.9924.C15.o6.tw	Method	TBLASTX:Wheat
Start	2533	End	2830
GI	none	Score	364
Exons	2533..2829, 2577..2825, 2600..2830		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o5.tm	Method	TBLASTX:Maize
Start	2554	End	2901
GI	none	Score	306
Exons	2554..2901, 2697..2900		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o2.tw	Method	TBLASTX:Wheat
Start	2835	End	3261
GI	none	Score	606
Exons	2835..3224, 2836..3261, 2893..3246, 2897..3259		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o3.ts	Method	TBLASTX:Soybean
Start	2842	End	3087
GI	none	Score	213
Exons	2842..3087		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o2.tm	Method	TBLASTX:Maize
Start	2908	End	3261
GI	none	Score	474
Exons	2908..3261, 2910..3209		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o4.tw	Method	TBLASTX:Wheat
Start	3304	End	3829
GI	none	Score	87
Exons	3304..3444, 3407..3829, 3457..3825		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o1.tc	Method	TBLASTX:Cress
Start	3536	End	3853
GI	none	Score	101
Exons	3536..3709, 3557..3709, 3710..3853, 3712..3837		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o2.ts	Method	TBLASTX:Soybean

Start	3622	End	3877
GI	none	Score	302
Exons	3622..3876, 3629..3877		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o4.tm	Method	TBLASTX:Maize
Start	3675	End	3967
GI	none	Score	75
Exons	3675..3809, 3677..3967, 3688..3963		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o1.tw	Method	TBLASTX:Wheat
Start	3836	End	4456
GI	none	Score	662
Exons	3836..4456, 3892..4338		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	4019	End	4612
GI	none	Score	219
Exons	4019..4177, 4027..4170, 4175..4612, 4177..4317, 4393..4602, 4517..4612		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o5.tw	Method	TBLASTX:Wheat
Start	4459	End	4795
GI	none	Score	377
Exons	4459..4731, 4460..4795, 4625..4774		

Seq. No.	18976	Seq. ID	OJ990426_06.9924.C15
Gene No.	39767	Strand	+
Start	262	End	4839
Name	OJ990426_06.9924.C15.o9.tm	Method	TBLASTX:Maize
Start	4622	End	4780
GI	none	Score	187
Exons	4622..4780, 4654..4731		

Seq. No.	18977	Seq. ID	OJ990426_06.9924.C16
Gene No.	39768	Strand	+
Start	49	End	492
Name	OJ990426_06.9924.C16.o1.gs	Method	GENSCAN
Start	49	End	492
GI	none	Score	.48
Exons	49..492		

Seq. No.	18978	Seq. ID	OJ990426_06.9924.C17
Gene No.	39769	Strand	-
Start	1	End	675
Name	OJ990426_06.9924.C17.o1.np	Method	AAT/NAP

Start	1	End	675
GI	6907086	Score	298
Exons	1..131, 174..419, 480..675		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18978	Seq. ID	OJ990426_06.9924.C17
Gene No.	39769	Strand	-
Start	1	End	675
Name	OJ990426_06.9924.C17.o1.gs	Method	GENSCAN
Start	468	End	624
GI	none	Score	.85
Exons	468..624		

Seq. No.	18979	Seq. ID	OJ990426_06.9924.C21
Gene No.	39770	Strand	-
Start	382	End	487
Name	OJ990426_06.9924.C21.o1.gs	Method	GENSCAN
Start	382	End	487
GI	none	Score	.65
Exons	382..487		

Seq. No.	18980	Seq. ID	OJ990426_06.9924.C22
Gene No.	39771	Strand	-
Start	894	End	1018
Name	OJ990426_06.9924.C22.o1.gs	Method	GENSCAN
Start	894	End	1018
GI	none	Score	.41
Exons	894..1018		

Seq. No.	18981	Seq. ID	OJ990426_06.9924.C23
Gene No.	39772	Strand	-
Start	138	End	1263
Name	OJ990426_06.9924.C23.o1.gs	Method	GENSCAN
Start	138	End	1263
GI	none	Score	.68
Exons	138..227, 361..487, 785..970, 1181..1263		

Seq. No.	18982	Seq. ID	OJ990426_06.9924.C24
Gene No.	39773	Strand	+
Start	231	End	503
Name	OJ990426_06.9924.C24.o1.gs	Method	GENSCAN
Start	231	End	503
GI	none	Score	.97
Exons	231..503		

Seq. No.	18982	Seq. ID	OJ990426_06.9924.C24
Gene No.	39774	Strand	-
Start	617	End	1987
Name	OJ990426_06.9924.C24.o2.gs	Method	GENSCAN
Start	617	End	1987
GI	none	Score	.69
Exons	617..760, 1901..1987		

Seq. No.	18983	Seq. ID	OJ990426_06.9924.C25
Gene No.	39775	Strand	+
Start	2574	End	2820
Name	OJ990426_06.9924.C25.o3.gs	Method	GENSCAN

Start	2574	End	2820
GI	none	Score	.94
Exons	2574..2691, 2813..2820		

Seq. No.	18983	Seq. ID	OJ990426_06.9924.C25
Gene No.	39776	Strand	+
Start	3419	End	3712
Name	OJ990426_06.9924.C25.o1.np	Method	AAT/NAP
Start	3419	End	3712
GI	6069646	Score	391
Exons	3419..3712		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	18983	Seq. ID	OJ990426_06.9924.C25
Gene No.	39777	Strand	-
Start	1446	End	1745
Name	OJ990426_06.9924.C25.o2.gs	Method	GENSCAN
Start	1446	End	1745
GI	none	Score	.75
Exons	1446..1745		

Seq. No.	18983	Seq. ID	OJ990426_06.9924.C25
Gene No.	39778	Strand	-
Start	3102	End	3790
Name	OJ990426_06.9924.C25.o4.gs	Method	GENSCAN
Start	3102	End	3790
GI	none	Score	.82
Exons	3102..3292, 3525..3790		

Seq. No.	18984	Seq. ID	OJ990426_06.9924.C26
Gene No.	39779	Strand	+
Start	1567	End	2401
Name	OJ990426_06.9924.C26.o1.gs	Method	GENSCAN
Start	1567	End	2401
GI	none	Score	.93
Exons	1567..1686, 2237..2401		

Seq. No.	18984	Seq. ID	OJ990426_06.9924.C26
Gene No.	39780	Strand	-
Start	2870	End	4120
Name	OJ990426_06.9924.C26.o1.np	Method	AAT/NAP
Start	2692	End	4120
GI	6907086	Score	670
Exons	2692..2832, 2885..3110, 3222..3269, 3492..3733, 3794..4120		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18984	Seq. ID	OJ990426_06.9924.C26
Gene No.	39780	Strand	-
Start	2870	End	4120
Name	OJ990426_06.9924.C26.o2.gs	Method	GENSCAN
Start	2870	End	3232
GI	none	Score	.95
Exons	2870..3232		

Seq. No.	18984	Seq. ID	OJ990426_06.9924.C26
Gene No.	39780	Strand	-
Start	2870	End	4120
Name	OJ990426_06.9924.C26.o3.gs	Method	GENSCAN
Start	3819	End	4106
GI	none	Score	1
Exons	3819..4106		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39781	Strand	+
Start	48	End	2188
Name	OJ990426_06.9924.C27.o1.gs	Method	GENSCAN
Start	48	End	2188
GI	none	Score	.89
Exons	48..273, 1203..1347, 1402..1618, 2115..2188		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39782	Strand	+
Start	3949	End	7390
Name	OJ990426_06.9924.C27.o1.gp	Method	AAT/GAP
Start	3537	End	5036
GI	92055_1.R1084	Score	1858
Exons	3537..3757, 3940..4210, 4567..5036		
GI Descrip.	'5802576/gb|AAD51718.1| 5.0e-50 (AF174294) (+)-delta-cadinene sythase [Gossypium arboreum]'		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39782	Strand	+
Start	3949	End	7390
Name	OJ990426_06.9924.C27.o2.np	Method	AAT/NAP
Start	3620	End	7247
GI	5802576	Score	708
Exons	3620..3787, 3974..4210, 4567..4942, 5416..5726, 6100..6264, 6958..7247		
GI Descrip.	(AF174294) (+)-delta-cadinene sythase [Gossypium arboreum]		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39782	Strand	+
Start	3949	End	7390
Name	OJ990426_06.9924.C27.o2.gs	Method	GENSCAN
Start	3949	End	7244
GI	none	Score	.58
Exons	3949..4210, 4567..4942, 5416..5634, 5776..5911, 6000..6260, 6948..7244		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39782	Strand	+
Start	3949	End	7390
Name	OJ990426_06.9924.C27.o2.gp	Method	AAT/GAP
Start	5416	End	6046
GI	LIB3431-042-P1-K1-A2	Score	747
Exons	5416..5634, 5776..5911, 6000..6046		
GI Descrip.	'4733937/gb|AAC31570.2| 3.0e-32 (AF080245) sesquiterpene synthase [Elaeis oleifera]'		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27

Gene No.	39782	Strand	+
Start	3949	End	7390
Name	OJ990426_06.9924.C27.o3.gp	Method	AAT/GAP
Start	6179	End	7390
GI	2277_1.R1084	Score	951
Exons	6179..6260, 6948..7390		
GI Descrip.	'4733937/gb|AAC31570.2| 3.0e-10 (AF080245) sesquiterpene synthase [Elaeis oleifera]'		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39783	Strand	-
Start	194	End	1632
Name	OJ990426_06.9924.C27.o1.np	Method	AAT/NAP
Start	194	End	1632
GI	6907088	Score	1070
Exons	194..581, 1081..1319, 1495..1632		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39784	Strand	-
Start	8144	End	8970
Name	OJ990426_06.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	3704	End	5635
GI	none	Score	73
Exons	3704..3760, 3939..4073, 3940..4128, 4075..4206, 4151..4213, 4158..4235, 4566..4616, 4566..4616, 4638..4739, 4730..4945, 4737..4946, 5417..5527, 5446..5526, 5528..5635		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39784	Strand	-
Start	8144	End	8970
Name	OJ990426_06.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	4755	End	5881
GI	none	Score	116
Exons	4755..4955, 5405..5635, 5417..5635, 5774..5881		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39784	Strand	-
Start	8144	End	8970
Name	OJ990426_06.9924.C27.o2.tm	Method	TBLASTX:Maize
Start	5774	End	7244
GI	none	Score	107
Exons	5774..5914, 5845..5916, 6000..6050, 6002..6049, 6063..6260, 6086..6121, 6161..6259, 6945..7025, 7011..7076, 7176..7244		

Seq. No.	18985	Seq. ID	OJ990426_06.9924.C27
Gene No.	39784	Strand	-
Start	8144	End	8970
Name	OJ990426_06.9924.C27.o3.gs	Method	GENSCAN
Start	8144	End	8970
GI	none	Score	.54
Exons	8144..8314, 8374..8970		

Seq. No.	18986	Seq. ID	OJ990426_06.9924.C32
Gene No.	39785	Strand	-
Start	543	End	617
Name	OJ990426_06.9924.C32.o1.gs	Method	GENSCAN

Start	543	End	617
GI	none	Score	.98
Exons	543..617		

Seq. No.	18987	Seq. ID	OJ990426_06.9924.C33
Gene No.	39786	Strand	-
Start	345	End	941
Name	OJ990426_06.9924.C33.o1.np	Method	AAT/NAP
Start	345	End	941
GI	4680179	Score	617
Exons	345..941		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	18987	Seq. ID	OJ990426_06.9924.C33
Gene No.	39786	Strand	-
Start	345	End	941
Name	OJ990426_06.9924.C33.o1.gs	Method	GENSCAN
Start	374	End	724
GI	none	Score	.48
Exons	374..724		

Seq. No.	18987	Seq. ID	OJ990426_06.9924.C33
Gene No.	39786	Strand	-
Start	345	End	941
Name	OJ990426_06.9924.C33.o1.tw	Method	TBLASTX:Wheat
Start	389	End	811
GI	none	Score	111
Exons	389..811, 410..559, 453..791		

Seq. No.	18987	Seq. ID	OJ990426_06.9924.C33
Gene No.	39786	Strand	-
Start	345	End	941
Name	OJ990426_06.9924.C33.o2.tm	Method	TBLASTX:Maize
Start	404	End	562
GI	none	Score	59
Exons	404..562, 453..530		

Seq. No.	18987	Seq. ID	OJ990426_06.9924.C33
Gene No.	39786	Strand	-
Start	345	End	941
Name	OJ990426_06.9924.C33.o1.tm	Method	TBLASTX:Maize
Start	572	End	940
GI	none	Score	66
Exons	572..667, 572..940, 582..791, 867..935		

Seq. No.	18988	Seq. ID	OJ990426_06.9924.C35
Gene No.	39787	Strand	+
Start	64	End	590
Name	OJ990426_06.9924.C35.o1.np	Method	AAT/NAP
Start	64	End	590
GI	6002794	Score	470
Exons	64..590		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	18989	Seq. ID	OJ990426_06.9924.C36
Gene No.	39788	Strand	-
Start	539	End	771

Name	OJ990426_06.9924.C36.o1.gp	Method	AAT/GAP
Start	539	End	771
GI	428528	Score	408
Exons	539..771		

Seq. No.	18990	Seq. ID	OJ990426_06.9924.C38
Gene No.	39789	Strand	-
Start	802	End	1389
Name	OJ990426_06.9924.C38.o1.gs	Method	GENSCAN
Start	802	End	1329
GI	none	Score	.66
Exons	802..1329		

Seq. No.	18990	Seq. ID	OJ990426_06.9924.C38
Gene No.	39789	Strand	-
Start	802	End	1389
Name	OJ990426_06.9924.C38.o1.np	Method	AAT/NAP
Start	805	End	1389
GI	6002794	Score	997
Exons	805..1389		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	18991	Seq. ID	OJ990426_06.9924.C39
Gene No.	39790	Strand	+
Start	206	End	257
Name	OJ990426_06.9924.C39.o1.gs	Method	GENSCAN
Start	206	End	257
GI	none	Score	.49
Exons	206..257		

Seq. No.	18992	Seq. ID	OJ990426_06.9924.C41
Gene No.	39791	Strand	+
Start	1	End	731
Name	OJ990426_06.9924.C41.o1.np	Method	AAT/NAP
Start	1	End	731
GI	5777618	Score	87
Exons	1..56, 408..731		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	18992	Seq. ID	OJ990426_06.9924.C41
Gene No.	39791	Strand	+
Start	1	End	731
Name	OJ990426_06.9924.C41.o1.tm	Method	TBLASTX:Maize
Start	395	End	674
GI	none	Score	64
Exons	395..445, 398..463, 399..515, 461..550, 462..551, 463..582, 579..674, 638..673		

Seq. No.	18992	Seq. ID	OJ990426_06.9924.C41
Gene No.	39791	Strand	+
Start	1	End	731
Name	OJ990426_06.9924.C41.o1.gs	Method	GENSCAN
Start	402	End	558
GI	none	Score	.95
Exons	402..558		

Seq. No.	18993	Seq. ID	OJ990426_06.9924.C42

Gene No.	39792	Strand	-
Start	335	End	456
Name	OJ990426_06.9924.C42.o1.gs	Method	GENSCAN
Start	335	End	456
GI	none	Score	.93
Exons	335..456		

Seq. No.	18994	Seq. ID	OJ990426_06.9924.C43
Gene No.	39793	Strand	-
Start	126	End	496
Name	OJ990426_06.9924.C43.o1.gp	Method	AAT/GAP
Start	126	End	496
GI	38782_1.R1084	Score	594
Exons	126..496		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	18995	Seq. ID	OJ990426_06.9924.C44
Gene No.	39794	Strand	+
Start	206	End	329
Name	OJ990426_06.9924.C44.o1.gs	Method	GENSCAN
Start	206	End	329
GI	none	Score	.62
Exons	206..329		

Seq. No.	18996	Seq. ID	OJ990426_06.9924.C46
Gene No.	39795	Strand	-
Start	141	End	566
Name	OJ990426_06.9924.C46.o1.np	Method	AAT/NAP
Start	141	End	566
GI	4499798	Score	222
Exons	141..566		
GI Descrip.	(Y10775) orf15; homologous to ninG gene [Bacteriophage 933W] gi|4585414|gb|AAD25442.1|AF125520_37 (AF125520) hypothetical protein [Bacteriophage 933W] gi|5881629|dbj|BAA84320.1| (AP000363) hypothetical protein [Bacteriophage VT2-Sa]		

Seq. No.	18996	Seq. ID	OJ990426_06.9924.C46
Gene No.	39795	Strand	-
Start	141	End	566
Name	OJ990426_06.9924.C46.o1.gs	Method	GENSCAN
Start	144	End	416
GI	none	Score	.68
Exons	144..416		

Seq. No.	18997	Seq. ID	OJ990526_09.9924.C2
Gene No.	39796	Strand	
Start	1487	End	1896
Name	OJ990526_09.9924.C2.o1.tm	Method	TBLASTX:Maize
Start	1487	End	1896
GI	none	Score	128
Exons	1487..1588, 1490..1588, 1495..1590, 1495..1602, 1669..1701, 1696..1749, 1697..1753, 1806..1895, 1810..1896		

Seq. No.	18998	Seq. ID	OJ990526_09.9924.C4
Gene No.	39797	Strand	
Start	225	End	858

Name	OJ990526_09.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	225	End	718
GI	none	Score	205
Exons	225..347, 225..560, 227..706, 232..705, 310..708, 398..718		

Seq. No.	18998	Seq. ID	OJ990526_09.9924.C4
Gene No.	39797	Strand	
Start	225	End	858
Name	OJ990526_09.9924.C4.o1.tw	Method	TBLASTX:Wheat
Start	513	End	858
GI	none	Score	271
Exons	513..695, 513..560, 514..747, 515..754, 701..793, 743..793, 744..794, 753..794, 779..847, 787..849, 792..857, 799..819, 805..846, 807..851, 809..856, 811..858, 826..858		

Seq. No.	18999	Seq. ID	OJ990526_09.9924.C6
Gene No.	39798	Strand	+
Start	290	End	1017
Name	OJ990526_09.9924.C6.o1.gp	Method	AAT/GAP
Start	290	End	1017
GI	none	Score	1307
Exons	290..1017		

Seq. No.	18999	Seq. ID	OJ990526_09.9924.C6
Gene No.	39799	Strand	-
Start	1217	End	1831
Name	OJ990526_09.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	881	End	1831
GI	none	Score	108
Exons	881..1099, 903..1100, 1181..1573, 1182..1538, 1658..1831, 1659..1829		

Seq. No.	18999	Seq. ID	OJ990526_09.9924.C6
Gene No.	39799	Strand	-
Start	1217	End	1831
Name	OJ990526_09.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	891	End	1831
GI	none	Score	131
Exons	891..1094, 896..1093, 1181..1573, 1182..1538, 1337..1561, 1658..1831, 1659..1829		

Seq. No.	18999	Seq. ID	OJ990526_09.9924.C6
Gene No.	39799	Strand	-
Start	1217	End	1831
Name	OJ990526_09.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	905	End	1831
GI	none	Score	208
Exons	905..1093, 1151..1480, 1188..1484, 1484..1558, 1658..1831		

Seq. No.	18999	Seq. ID	OJ990526_09.9924.C6
Gene No.	39799	Strand	-
Start	1217	End	1831
Name	OJ990526_09.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	1181	End	1549
GI	none	Score	242
Exons	1181..1480, 1182..1457, 1476..1544, 1487..1549		

Seq. No.	18999	Seq. ID	OJ990526_09.9924.C6
Gene No.	39799	Strand	-
Start	1217	End	1831
Name	OJ990526_09.9924.C6.o2.gp	Method	AAT/GAP
Start	1217	End	1831
GI	35332_1.R1084	Score	1018
Exons	1217..1572, 1654..1831		
GI Descrip.	'3367520 5.0e-77 (AC004392) Similar to protein kinase APK1A, tyrosine-serine-threonine kinase gb_D12522 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	19000	Seq. ID	OJ990526_09.9924.C10
Gene No.	39800	Strand	+
Start	4478	End	5369
Name	OJ990526_09.9924.C10.o2.gp	Method	AAT/GAP
Start	4478	End	5369
GI	none	Score	1428
Exons	4478..4940, 5048..5369		

Seq. No.	19000	Seq. ID	OJ990526_09.9924.C10
Gene No.	39801	Strand	+
Start	10871	End	11165
Name	OJ990526_09.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	1954	End	4873
GI	none	Score	126
Exons	1954..2079, 1962..2078, 2156..2272, 2175..2363, 3333..3455, 3462..3536, 3633..3704, 3705..3764, 4506..4619, 4661..4705, 4733..4873		

Seq. No.	19000	Seq. ID	OJ990526_09.9924.C10
Gene No.	39801	Strand	+
Start	10871	End	11165
Name	OJ990526_09.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	9493	End	11068
GI	none	Score	468
Exons	9493..9921, 9493..9930, 9494..9928, 10873..11067, 10877..11068		

Seq. No.	19000	Seq. ID	OJ990526_09.9924.C10
Gene No.	39801	Strand	+
Start	10871	End	11165
Name	OJ990526_09.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	9536	End	11062
GI	none	Score	396
Exons	9536..9931, 9538..9930, 10873..11061, 10877..11062		

Seq. No.	19000	Seq. ID	OJ990526_09.9924.C10
Gene No.	39801	Strand	+
Start	10871	End	11165
Name	OJ990526_09.9924.C10.o3.gp	Method	AAT/GAP
Start	10871	End	11165
GI	3338_1.R1084	Score	471
Exons	10871..11165		
GI Descrip.	'2132068/pir||S67033 1.0e-50 hypothetical protein YOR145c - yeast (Saccharomyces cerevisiae) >gi_1293706 (U55020) O3513p [Saccharomyces cerevisiae] >gi_1420368_emb_CAA99349_ (Z75053) ORF YOR145c [Saccharomyces cerevisiae]'		

Seq. No.	19000	Seq. ID	OJ990526_09.9924.C10
Gene No.	39802	Strand	
Start	11803	End	12345
Name	OJ990526_09.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	11803	End	12345
GI	none	Score	157
Exons	11803..11883, 11907..12080, 11917..12078, 12193..12345, 12196..12345		

Seq. No.	19001	Seq. ID	OJ990526_09.9924.C13
Gene No.	39803	Strand	
Start	80	End	299
Name	OJ990526_09.9924.C13.o1.tw	Method	TBLASTX:Wheat
Start	80	End	299
GI	none	Score	101
Exons	80..136, 81..137, 81..137, 82..138, 82..138, 97..198, 140..199, 167..259, 183..257, 189..260, 199..261, 199..261, 260..298, 261..299, 261..299		

Seq. No.	19001	Seq. ID	OJ990526_09.9924.C13
Gene No.	39804	Strand	
Start	807	End	1066
Name	OJ990526_09.9924.C13.o1.tm	Method	TBLASTX:Maize
Start	807	End	1066
GI	none	Score	55
Exons	807..845, 813..845, 817..846, 817..846, 840..887, 841..888, 842..889, 878..1036, 885..1031, 889..1032, 1039..1065, 1039..1065, 1040..1066		

Seq. No.	19001	Seq. ID	OJ990526_09.9924.C13
Gene No.	39805	Strand	
Start	976	End	1154
Name	OJ990526_09.9924.C13.o1.tc	Method	TBLASTX:Cress
Start	976	End	1144
GI	none	Score	167
Exons	976..1080, 977..1081, 1082..1105, 1105..1143, 1106..1144		

Seq. No.	19001	Seq. ID	OJ990526_09.9924.C13
Gene No.	39805	Strand	
Start	976	End	1154
Name	OJ990526_09.9924.C13.o1.ts	Method	TBLASTX:Soybean
Start	976	End	1154
GI	none	Score	111
Exons	976..1080, 976..1080, 977..1081, 1081..1104, 1082..1105, 1105..1143, 1106..1144, 1113..1154		

Seq. No.	19001	Seq. ID	OJ990526_09.9924.C13
Gene No.	39805	Strand	
Start	976	End	1154
Name	OJ990526_09.9924.C13.o2.tw	Method	TBLASTX:Wheat
Start	979	End	1144
GI	none	Score	161
Exons	979..1080, 980..1081, 983..1087, 984..1100, 1082..1105, 1105..1143, 1106..1144, 1106..1144		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39806	Strand	

Start	301	End	449
Name	OJ990526_09.9924.C14.o7.tc	Method	TBLASTX:Cress
Start	301	End	449
GI	none	Score	188
Exons	301..330, 328..441, 330..449, 330..443		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39807	Strand	
Start	697	End	1361
Name	OJ990526_09.9924.C14.o2.tc	Method	TBLASTX:Cress
Start	697	End	1313
GI	none	Score	482
Exons	697..1050, 699..842, 704..1054, 707..1054, 805..1056, 1040..1141, 1053..1142, 1057..1146, 1058..1150, 1136..1222, 1137..1250, 1140..1262, 1147..1260, 1263..1313, 1266..1310		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39807	Strand	
Start	697	End	1361
Name	OJ990526_09.9924.C14.o3.ts	Method	TBLASTX:Soybean
Start	697	End	1097
GI	none	Score	488
Exons	697..1053, 699..842, 707..1054, 805..1056, 1053..1097, 1055..1096		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39807	Strand	
Start	697	End	1361
Name	OJ990526_09.9924.C14.o1.tw	Method	TBLASTX:Wheat
Start	1054	End	1361
GI	none	Score	125
Exons	1054..1149, 1055..1150, 1118..1246, 1140..1247, 1147..1263, 1147..1245, 1158..1262, 1263..1325, 1266..1325, 1267..1329, 1274..1327, 1321..1353, 1323..1361		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39807	Strand	
Start	697	End	1361
Name	OJ990526_09.9924.C14.o3.tm	Method	TBLASTX:Maize
Start	1093	End	1361
GI	none	Score	54
Exons	1093..1155, 1103..1153, 1147..1263, 1147..1245, 1158..1262, 1263..1349, 1265..1357, 1266..1361		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39808	Strand	
Start	1369	End	2499
Name	OJ990526_09.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	1369	End	2499
GI	none	Score	134
Exons	1369..1491, 1387..1497, 1391..1495, 1392..1496, 1491..2198, 1491..1538, 1493..2200, 1840..2199, 2198..2230, 2248..2292, 2249..2296, 2421..2495, 2421..2492, 2425..2499		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39808	Strand	
Start	1369	End	2499

Name	OJ990526_09.9924.C14.o3.tc	Method	TBLASTX:Cress
Start	1712	End	2105
GI	none	Score	475
Exons	1712..2104, 1713..2105		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39808	Strand	
Start	1369	End	2499
Name	OJ990526_09.9924.C14.o2.tm	Method	TBLASTX:Maize
Start	2000	End	2496
GI	none	Score	204
Exons	2000..2200, 2001..2198, 2198..2230, 2248..2292, 2249..2296, 2391..2495, 2394..2495, 2395..2496		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39808	Strand	
Start	1369	End	2499
Name	OJ990526_09.9924.C14.o8.tc	Method	TBLASTX:Cress
Start	2108	End	2460
GI	none	Score	120
Exons	2108..2197, 2109..2195, 2113..2199, 2198..2239, 2236..2283, 2237..2287, 2395..2460, 2403..2459		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39809	Strand	
Start	2472	End	3217
Name	OJ990526_09.9924.C14.o1.tc	Method	TBLASTX:Cress
Start	2472	End	3217
GI	none	Score	224
Exons	2472..2720, 2473..2700, 2474..2722, 2743..3216, 2777..3217		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39809	Strand	
Start	2472	End	3217
Name	OJ990526_09.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	2498	End	2832
GI	none	Score	215
Exons	2498..2734, 2499..2753, 2776..2832, 2777..2830		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39809	Strand	
Start	2472	End	3217
Name	OJ990526_09.9924.C14.o4.ts	Method	TBLASTX:Soybean
Start	2500	End	2943
GI	none	Score	198
Exons	2500..2700, 2502..2762, 2504..2734, 2587..2763, 2775..2912, 2776..2943, 2777..2908, 2778..2927		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39810	Strand	
Start	3227	End	4020
Name	OJ990526_09.9924.C14.o4.tc	Method	TBLASTX:Cress
Start	3227	End	3650
GI	none	Score	369
Exons	3227..3496, 3228..3566, 3229..3633, 3229..3594, 3545..3649, 3603..3650		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39810	Strand	
Start	3227	End	4020
Name	OJ990526_09.9924.C14.o5.ts	Method	TBLASTX:Soybean
Start	3460	End	3913
GI	none	Score	44
Exons	3460..3504, 3463..3501, 3500..3742, 3505..3717, 3545..3742, 3652..3756, 3727..3852, 3778..3852, 3853..3882, 3854..3913		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39810	Strand	
Start	3227	End	4020
Name	OJ990526_09.9924.C14.o6.tc	Method	TBLASTX:Cress
Start	3739	End	4020
GI	none	Score	253
Exons	3739..4020, 3794..4012		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39811	Strand	
Start	3925	End	4094
Name	OJ990526_09.9924.C14.o4.tm	Method	TBLASTX:Maize
Start	3925	End	4094
GI	none	Score	44
Exons	3925..3960, 3927..3968, 3929..3970, 3977..4045, 3979..4044, 4039..4092, 4045..4086, 4047..4094		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39812	Strand	
Start	3998	End	4567
Name	OJ990526_09.9924.C14.o2.ts	Method	TBLASTX:Soybean
Start	3998	End	4567
GI	none	Score	507
Exons	3998..4453, 3999..4412, 4003..4455, 4003..4452, 4353..4472, 4453..4566, 4454..4567, 4481..4567		

Seq. No.	19002	Seq. ID	OJ990526_09.9924.C14
Gene No.	39812	Strand	
Start	3998	End	4567
Name	OJ990526_09.9924.C14.o5.tc	Method	TBLASTX:Cress
Start	4314	End	4567
GI	none	Score	83
Exons	4314..4442, 4315..4446, 4316..4444, 4453..4566, 4475..4567		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o2.tm	Method	TBLASTX:Maize
Start	39	End	1696
GI	none	Score	304
Exons	39..356, 43..357, 175..357, 424..504, 508..651, 516..614, 535..633, 1635..1694, 1636..1695, 1639..1695, 1640..1696		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o2.ts	Method	TBLASTX:Soybean
Start	39	End	755

GI	none	Score	304
Exons	39..380, 43..357, 424..504, 508..651, 544..633, 663..755		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o3.tc	Method	TBLASTX:Cress
Start	94	End	639
GI	none	Score	295
Exons	94..357, 102..356, 424..498, 508..639, 535..633		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o4.tc	Method	TBLASTX:Cress
Start	642	End	830
GI	none	Score	324
Exons	642..830, 642..827		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o1.tc	Method	TBLASTX:Cress
Start	830	End	1229
GI	none	Score	701
Exons	830..1219, 830..1219, 832..1227, 832..1227, 1152..1229		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o3.tm	Method	TBLASTX:Maize
Start	834	End	981
GI	none	Score	168
Exons	834..980, 834..980, 835..981		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o3.ts	Method	TBLASTX:Soybean
Start	996	End	1248
GI	none	Score	136
Exons	996..1097, 997..1104, 1000..1248, 1001..1219, 1153..1248		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	1035	End	1634
GI	none	Score	212
Exons	1035..1097, 1044..1217, 1045..1533, 1046..1633, 1046..1633, 1152..1634		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o1.ts	Method	TBLASTX:Soybean
Start	1251	End	1696

GI	none	Score	188
Exons	1251..1448, 1260..1448, 1261..1533, 1262..1696, 1582..1695		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o1.gp	Method	AAT/GAP
Start	1347	End	1696
GI	uC-osflcyp021g10b1	Score	640
Exons	1347..1696		
GI Descrip.	'131148/sp|P12156|PSAB_ORYSA 6.0e-59 PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 >gi_72674_pir__A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast >gi_11981_emb_CAA33995_ (X15901) PSI P700 apoprotein A2 [Oryza sativa] >gi_226604_prf__1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]'		

Seq. No.	19003	Seq. ID	OJ990526_09.9924.C15
Gene No.	39813	Strand	+
Start	1347	End	1696
Name	OJ990526_09.9924.C15.o2.tc	Method	TBLASTX:Cress
Start	1360	End	1696
GI	none	Score	561
Exons	1360..1533, 1361..1696, 1364..1693, 1582..1695		

Seq. No.	19004	Seq. ID	OJ990526_09.9924.C16
Gene No.	39814	Strand	-
Start	1152	End	1533
Name	OJ990526_09.9924.C16.o1.gp	Method	AAT/GAP
Start	1152	End	1533
GI	2310739	Score	675
Exons	1152..1533		
GI Descrip.	2326760/emb|Y14434|MTTANAD2X 0.0e+00 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		

Seq. No.	19004	Seq. ID	OJ990526_09.9924.C16
Gene No.	39815	Strand	-
Start	1935	End	2283
Name	OJ990526_09.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	61	End	1087
GI	none	Score	1860
Exons	61..1086, 62..1087		

Seq. No.	19004	Seq. ID	OJ990526_09.9924.C16
Gene No.	39815	Strand	-
Start	1935	End	2283
Name	OJ990526_09.9924.C16.o1.ts	Method	TBLASTX:Soybean
Start	61	End	1088
GI	none	Score	1851
Exons	61..1086, 62..1087, 63..1088		

Seq. No.	19004	Seq. ID	OJ990526_09.9924.C16
Gene No.	39815	Strand	-
Start	1935	End	2283
Name	OJ990526_09.9924.C16.o2.tc	Method	TBLASTX:Cress
Start	61	End	384
GI	none	Score	324

Exons	61..378, 61..384, 62..382		
Seq. No.	19004	Seq. ID	OJ990526_09.9924.C16
Gene No.	39815	Strand	-
Start	1935	End	2283
Name	OJ990526_09.9924.C16.o1.tc	Method	TBLASTX:Cress
Start	385	End	934
GI	none	Score	715
Exons	385..765, 386..766, 388..768, 769..933	597..773,	767..934, 768..929,
Seq. No.	19004	Seq. ID	OJ990526_09.9924.C16
Gene No.	39815	Strand	-
Start	1935	End	2283
Name	OJ990526_09.9924.C16.o3.tc	Method	TBLASTX:Cress
Start	1151	End	1473
GI	none	Score	237
Exons	1151..1324, 1152..1322, 1153..1323, 1263..1283, 1328..1414, 1341..1436, 1349..1450, 1351..1449, 1411..1467, 1412..1468, 1416..1472, 1417..1473		
Seq. No.	19004	Seq. ID	OJ990526_09.9924.C16
Gene No.	39815	Strand	-
Start	1935	End	2283
Name	OJ990526_09.9924.C16.o2.gp	Method	AAT/GAP
Start	1935	End	2283
GI	3767032	Score	646
Exons	1935..2283		
GI Descrip.	2326760/emb|Y14434|MTTANAD2X 1.0e-147 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		
Seq. No.	19005	Seq. ID	OJ990526_09.9924.C17
Gene No.	39816	Strand	
Start	873	End	1276
Name	OJ990526_09.9924.C17.o1.tw	Method	TBLASTX:Wheat
Start	873	End	1276
GI	none	Score	67
Exons	873..914, 877..915, 935..994, 936..995, 937..996, 938..994, 969..1055, 980..1075, 988..1074, 1057..1113, 1058..1114, 1058..1114, 1059..1115, 1074..1175, 1116..1175, 1117..1176, 1144..1236, 1160..1234, 1176..1238, 1176..1238, 1236..1274, 1237..1275, 1238..1276, 1238..1276		
Seq. No.	19006	Seq. ID	OJ990526_09.9924.C18
Gene No.	39817	Strand	-
Start	1	End	145
Name	OJ990526_09.9924.C18.o1.gp	Method	AAT/GAP
Start	1	End	145
GI	57581_2.R1084	Score	270
Exons	1..145		
GI Descrip.	'343690/gb|M37274|WHTMT26SRR 0.0e+00 Wheat mitochondrial 26S rRNA gene, complete cds'		
Seq. No.	19006	Seq. ID	OJ990526_09.9924.C18
Gene No.	39817	Strand	-
Start	1	End	145
Name	OJ990526_09.9924.C18.o1.tc	Method	TBLASTX:Cress

Start	2	End	145
GI	none	Score	186
Exons	2..121, 2..145		

Seq: No.	19007	Seq. ID	OJ990526_09.9924.C20
Gene No.	39818	Strand	
Start	39	End	404
Name	OJ990526_09.9924.C20.o1.tw	Method	TBLASTX:Wheat
Start	39	End	383
GI	none	Score	407
Exons	39..383, 39..374, 44..382		

Seq. No.	19007	Seq. ID	OJ990526_09.9924.C20
Gene No.	39818	Strand	
Start	39	End	404
Name	OJ990526_09.9924.C20.o1.tm	Method	TBLASTX:Maize
Start	95	End	404
GI	none	Score	183
Exons	95..394, 95..394, 96..404		

Seq. No.	19008	Seq. ID	OJ990526_09.9924.C21
Gene No.	39819	Strand	+
Start	115	End	508
Name	OJ990526_09.9924.C21.o1.tc	Method	TBLASTX:Cress
Start	114	End	506
GI	none	Score	70
Exons	114..209, 114..173, 141..239, 295..465, 309..506, 309..506	146..286, 147..287, 292..465,	

Seq. No.	19008	Seq. ID	OJ990526_09.9924.C21
Gene No.	39819	Strand	+
Start	115	End	508
Name	OJ990526_09.9924.C21.o1.ts	Method	TBLASTX:Soybean
Start	114	End	508
GI	none	Score	45
Exons	114..155, 115..156, 116..154, 151..285, 152..283, 292..465, 311..508	118..156, 150..284, 150..239, 295..465, 297..506, 297..506,	

Seq. No.	19008	Seq. ID	OJ990526_09.9924.C21
Gene No.	39819	Strand	+
Start	115	End	508
Name	OJ990526_09.9924.C21.o1.gp	Method	AAT/GAP
Start	115	End	508
GI	183_1.R1084	Score	728
Exons	115..508		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	19008	Seq. ID	OJ990526_09.9924.C21
Gene No.	39819	Strand	+
Start	115	End	508

Name	OJ990526_09.9924.C21.o1.tm	Method	TBLASTX:Maize
Start	116	End	508
GI	none	Score	69
Exons	116..154, 118..156, 142..465,	144..506,	152..508

Seq. No.	19009	Seq. ID	OJ990526_09.9924.C22
Gene No.	39820	Strand	
Start	457	End	693
Name	OJ990526_09.9924.C22.o1.tw	Method	TBLASTX:Wheat
Start	457	End	691
GI	none	Score	222
Exons	457..513, 533..691, 544..690		

Seq. No.	19009	Seq. ID	OJ990526_09.9924.C22
Gene No.	39820	Strand	
Start	457	End	693
Name	OJ990526_09.9924.C22.o1.tc	Method	TBLASTX:Cress
Start	521	End	693
GI	none	Score	277
Exons	521..691, 522..692, 523..693,	523..693	

Seq. No.	19009	Seq. ID	OJ990526_09.9924.C22
Gene No.	39820	Strand	
Start	457	End	693
Name	OJ990526_09.9924.C22.o1.tm	Method	TBLASTX:Maize
Start	521	End	693
GI	none	Score	276
Exons	521..691, 525..692, 529..693,	529..693	

Seq. No.	19009	Seq. ID	OJ990526_09.9924.C22
Gene No.	39820	Strand	
Start	457	End	693
Name	OJ990526_09.9924.C22.o1.ts	Method	TBLASTX:Soybean
Start	521	End	693
GI	none	Score	275
Exons	521..691, 522..692, 523..693,	535..693	

Seq. No.	19010	Seq. ID	OJ990526_09.9924.C23
Gene No.	39821	Strand	+
Start	545	End	673
Name	OJ990526_09.9924.C23.o1.tc	Method	TBLASTX:Cress
Start	76	End	565
GI	none	Score	82
Exons	76..171, 85..171, 89..172, 90..179, 92..211, 329..400, 352..399, 414..536, 418..543, 418..543, 419..565		

Seq. No.	19010	Seq. ID	OJ990526_09.9924.C23
Gene No.	39821	Strand	+
Start	545	End	673
Name	OJ990526_09.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	300	End	542
GI	none	Score	146
Exons	300..428, 319..432, 320..430, 428..541, 429..542, 429..542	351..434, 400..531, 428..541,	

Seq. No.	19010	Seq. ID	OJ990526_09.9924.C23
Gene No.	39821	Strand	+

Start	545	End	673
Name	OJ990526_09.9924.C23.o1.gp	Method	AAT/GAP
Start	545	End	673
GI	LIB3431-059-P1-K1-E6	Score	222
Exons	545..673		
GI Descrip.	'133999/sp|P05424|RR7_ORYSA 2.0e-36 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	19010	Seq. ID	OJ990526_09.9924.C23
Gene No.	39821	Strand	+
Start	545	End	673
Name	OJ990526_09.9924.C23.o2.tm	Method	TBLASTX:Maize
Start	546	End	673
GI	none	Score	69
Exons	546..584, 548..586, 573..671, 574..672, 580..672, 581..673		

Seq. No.	19011	Seq. ID	OJ990526_09.9924.C24
Gene No.	39822	Strand	
Start	3	End	716
Name	OJ990526_09.9924.C24.o1.tm	Method	TBLASTX:Maize
Start	3	End	716
GI	none	Score	98
Exons	3..62, 3..62, 56..685, 60..716, 61..669, 92..682, 680..715		

Seq. No.	19011	Seq. ID	OJ990526_09.9924.C24
Gene No.	39822	Strand	
Start	3	End	716
Name	OJ990526_09.9924.C24.o1.tc	Method	TBLASTX:Cress
Start	116	End	715
GI	none	Score	56
Exons	116..172, 128..148, 183..236, 200..235, 200..331, 241..357, 242..358, 246..365, 353..469, 365..469, 366..479, 478..570, 490..570, 492..575, 668..715		

Seq. No.	19011	Seq. ID	OJ990526_09.9924.C24
Gene No.	39822	Strand	
Start	3	End	716
Name	OJ990526_09.9924.C24.o1.ts	Method	TBLASTX:Soybean
Start	179	End	716
GI	none	Score	54
Exons	179..235, 180..239, 199..240, 212..334, 241..360, 242..370, 413..448, 423..446, 482..508, 489..563, 509..580, 523..567, 575..601, 680..715, 681..716		

Seq. No.	19012	Seq. ID	OJ990526_09.9924.C25
Gene No.	39823	Strand	-
Start	971	End	1094
Name	OJ990526_09.9924.C25.o1.gp	Method	AAT/GAP
Start	971	End	1094
GI	57581_1.R1084	Score	186
Exons	971..1094		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	19012	Seq. ID	OJ990526_09.9924.C25
Gene No.	39823	Strand	-
Start	971	End	1094
Name	OJ990526_09.9924.C25.o1.tw	Method	TBLASTX:Wheat
Start	978	End	1094
GI	none	Score	133
Exons	978..1049, 981..1049, 982..1050, 983..1051, 1046..1093, 1047..1094, 1050..1094		

Seq. No.	19013	Seq. ID	OJ990526_09.9924.C27
Gene No.	39824	Strand	
Start	61	End	643
Name	OJ990526_09.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	61	End	472
GI	none	Score	513
Exons	61..447, 61..471, 62..472		

Seq. No.	19013	Seq. ID	OJ990526_09.9924.C27
Gene No.	39824	Strand	
Start	61	End	643
Name	OJ990526_09.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	61	End	639
GI	none	Score	58
Exons	61..207, 62..211, 262..306, 328..639, 332..433, 479..550, 604..636		

Seq. No.	19013	Seq. ID	OJ990526_09.9924.C27
Gene No.	39824	Strand	
Start	61	End	643
Name	OJ990526_09.9924.C27.o1.tc	Method	TBLASTX:Cress
Start	97	End	643
GI	none	Score	680
Exons	97..642, 134..643		

Seq. No.	19013	Seq. ID	OJ990526_09.9924.C27
Gene No.	39824	Strand	
Start	61	End	643
Name	OJ990526_09.9924.C27.o2.tm	Method	TBLASTX:Maize
Start	478	End	639
GI	none	Score	68
Exons	478..639, 479..637		

Seq. No.	19014	Seq. ID	OJ990526_09.9924.C30
Gene No.	39825	Strand	
Start	1	End	657
Name	OJ990526_09.9924.C30.o1.ts	Method	TBLASTX:Soybean
Start	1	End	657
GI	none	Score	740
Exons	1..165, 2..574, 3..572, 622..657		

Seq. No.	19014	Seq. ID	OJ990526_09.9924.C30
Gene No.	39825	Strand	
Start	1	End	657
Name	OJ990526_09.9924.C30.o1.tc	Method	TBLASTX:Cress
Start	85	End	479
GI	none	Score	498

Exons	85..165, 86..478, 87..479		
Seq. No.	19014	Seq. ID	OJ990526_09.9924.C30
Gene No.	39825	Strand	
Start	1	End	657
Name	OJ990526_09.9924.C30.o1.tm	Method	TBLASTX:Maize
Start	374	End	657
GI	none	Score	209
Exons	374..574, 375..572, 572..604, 622..657, 623..655		
Seq. No.	19015	Seq. ID	OJ990526_09.9924.C31
Gene No.	39826	Strand	+
Start	1005	End	1368
Name	OJ990526_09.9924.C31.o1.ts	Method	TBLASTX:Soybean
Start	2	End	411
GI	none	Score	64
Exons	2..52, 2..49, 50..223, 51..338, 78..410, 100..411, 199..411		
Seq. No.	19015	Seq. ID	OJ990526_09.9924.C31
Gene No.	39826	Strand	+
Start	1005	End	1368
Name	OJ990526_09.9924.C31.o2.tc	Method	TBLASTX:Cress
Start	2	End	311
GI	none	Score	50
Exons	2..43, 3..41, 50..214, 72..305, 72..311		
Seq. No.	19015	Seq. ID	OJ990526_09.9924.C31
Gene No.	39826	Strand	+
Start	1005	End	1368
Name	OJ990526_09.9924.C31.o2.tm	Method	TBLASTX:Maize
Start	258	End	530
GI	none	Score	92
Exons	258..530, 301..525		
Seq. No.	19015	Seq. ID	OJ990526_09.9924.C31
Gene No.	39826	Strand	+
Start	1005	End	1368
Name	OJ990526_09.9924.C31.o2.ts	Method	TBLASTX:Soybean
Start	670	End	1009
GI	none	Score	34
Exons	670..690, 682..783, 690..785, 691..783, 773..838, 776..838, 789..842, 924..959, 925..957, 962..1009, 963..1007, 971..1009		
Seq. No.	19015	Seq. ID	OJ990526_09.9924.C31
Gene No.	39826	Strand	+
Start	1005	End	1368
Name	OJ990526_09.9924.C31.o3.tc	Method	TBLASTX:Cress
Start	690	End	1042
GI	none	Score	129
Exons	690..785, 692..784, 773..859, 789..860, 899..946, 916..957, 918..962, 957..1040, 957..1040, 970..1041, 971..1042		
Seq. No.	19015	Seq. ID	OJ990526_09.9924.C31
Gene No.	39826	Strand	+
Start	1005	End	1368
Name	OJ990526_09.9924.C31.o1.tm	Method	TBLASTX:Maize
Start	693	End	1208

GI	none	Score	301
Exons	693..884, 693..869, 725..871, 898..957, 899..961, 899..958, 907..1206, 936..1208		

Seq. No.	19015	Seq. ID	OJ990526_09.9924.C31
Gene No.	39826	Strand	+
Start	1005	End	1368
Name	OJ990526_09.9924.C31.o1.gp	Method	AAT/GAP
Start	1005	End	1368
GI	uC-osflcyp097b05b1	Score	696
Exons	1005..1368		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'		

Seq. No.	19015	Seq. ID	OJ990526_09.9924.C31
Gene No.	39827	Strand	
Start	1390	End	1683
Name	OJ990526_09.9924.C31.o1.tc	Method	TBLASTX:Cress
Start	1390	End	1683
GI	none	Score	362
Exons	1390..1683, 1391..1657, 1393..1662		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39828	Strand	-
Start	4987	End	5082
Name	OJ990526_09.9924.C32.o2.gp	Method	AAT/GAP
Start	4987	End	5082
GI	57581_1.R1084	Score	175
Exons	4987..5082		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o2.ts	Method	TBLASTX:Soybean
Start	222	End	466
GI	none	Score	67
Exons	222..281, 222..281, 223..282, 223..282, 289..345, 291..344, 295..345, 329..466, 335..466		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o5.tm	Method	TBLASTX:Maize
Start	1577	End	1780
GI	none	Score	106
Exons	1577..1651, 1579..1650, 1637..1780, 1645..1770		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511

Name	OJ990526_09.9924.C32.o2.tm	Method	TBLASTX:Maize
Start	3003	End	3577
GI	none	Score	99
Exons	3003..3104, 3008..3181, 3008..3577, 3300..3437		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o6.tw	Method	TBLASTX:Wheat
Start	3212	End	3415
GI	none	Score	55
Exons	3212..3415, 3267..3359		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o2.tw	Method	TBLASTX:Wheat
Start	3416	End	4000
GI	none	Score	83
Exons	3416..3538, 3620..4000, 3621..3992		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o1.tm	Method	TBLASTX:Maize
Start	3620	End	4253
GI	none	Score	372
Exons	3620..4159, 3621..4151, 3621..4160, 4161..4253		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o1.ts	Method	TBLASTX:Soybean
Start	3848	End	4162
GI	none	Score	177
Exons	3848..4162, 3852..4118		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o3.tw	Method	TBLASTX:Wheat
Start	4088	End	4484
GI	none	Score	62
Exons	4088..4159, 4089..4151, 4173..4484, 4186..4344		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o3.tm	Method	TBLASTX:Maize
Start	4254	End	4625
GI	none	Score	84
Exons	4254..4484, 4503..4625, 4549..4614		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o5.tw	Method	TBLASTX:Wheat

Start	4587	End	4767
GI	none	Score	109
Exons	4587..4766, 4610..4678, 4611..4766, 4621..4767, 4720..4767		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o1.tc	Method	TBLASTX:Cress
Start	4742	End	5500
GI	none	Score	102
Exons	4742..4852, 4755..4862, 4756..4836, 4844..4897, 4848..4898, 4849..4899, 4849..4896, 4985..5119, 4986..5120, 4987..5121, 5229..5276, 5230..5277, 5230..5277, 5231..5278, 5384..5500, 5388..5498, 5434..5499		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o1.tw	Method	TBLASTX:Wheat
Start	4769	End	5259
GI	none	Score	65
Exons	4769..4852, 4771..4854, 4773..4853, 4813..4854, 4851..4901, 4858..4902, 4859..4903, 4859..4903, 4860..4901, 4985..5212, 4986..5240, 4987..5250, 4987..5250, 5220..5258, 5220..5258, 5221..5259, 5221..5259		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o3.gp	Method	AAT/GAP
Start	5120	End	5511
GI	57581_1.R1084	Score	504
Exons	5120..5315, 5381..5511		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39829	Strand	-
Start	5120	End	5511
Name	OJ990526_09.9924.C32.o4.tw	Method	TBLASTX:Wheat
Start	5260	End	5500
GI	none	Score	57
Exons	5260..5292, 5261..5299, 5262..5306, 5289..5315, 5291..5314, 5292..5315, 5384..5446, 5385..5447, 5389..5448, 5390..5476, 5425..5499, 5429..5497, 5437..5499, 5450..5500		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39830	Strand	
Start	5818	End	6090
Name	OJ990526_09.9924.C32.o2.tc	Method	TBLASTX:Cress
Start	5818	End	5955
GI	none	Score	191
Exons	5818..5955, 5818..5955		

Seq. No.	19016	Seq. ID	OJ990526_09.9924.C32
Gene No.	39830	Strand	
Start	5818	End	6090

Name	OJ990526_09.9924.C32.o4.tm	Method	TBLASTX:Maize
Start	5824	End	6090
GI	none	Score	250
Exons	5824..5988, 5824..6006, 5825..6007, 5847..6014, 6052..6090		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39831	Strand	+
Start	500	End	1085
Name	OJ990526_09.9924.C33.o1.gp	Method	AAT/GAP
Start	500	End	1085
GI	481_1.R1084	Score	1015
Exons	500..1085		
GI Descrip.	'132672/sp|P12137|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o4.tw	Method	TBLASTX:Wheat
Start	4	End	199
GI	none	Score	59
Exons	4..27, 28..75, 28..75, 77..154, 78..119, 86..124, 124..198, 124..198, 125..199		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o1.tc	Method	TBLASTX:Cress
Start	140	End	613
GI	none	Score	297
Exons	140..451, 142..462, 148..447, 186..461, 442..507, 453..500, 581..613		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o1.ts	Method	TBLASTX:Soybean
Start	140	End	1530
GI	none	Score	363
Exons	140..526, 142..531, 145..279, 150..545, 183..545, 622..741, 647..748, 724..918, 736..1038, 737..1027, 1024..1089, 1045..1353, 1106..1132, 1130..1351, 1166..1357, 1167..1373, 1364..1438, 1368..1529, 1416..1526, 1432..1530		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o1.tm	Method	TBLASTX:Maize
Start	140	End	886
GI	none	Score	942
Exons	140..841, 183..761, 584..841, 841..885, 841..885, 842..886		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-

Start	1272	End	1530
Name	OJ990526_09.9924.C33.o1.tw	Method	TBLASTX:Wheat
Start	231	End	622
GI	none	Score	527
Exons	231..614, 232..615, 564..620,	565..618, 570..620, 584..622	

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o2.tc	Method	TBLASTX:Cress
Start	647	End	1065
GI	none	Score	135
Exons	647..748, 649..741, 736..828,	737..829, 829..1065, 830..1033	

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o3.tw	Method	TBLASTX:Wheat
Start	775	End	1139
GI	none	Score	402
Exons	775..1053, 776..1036, 778..1053, 1062..1118, 1063..1113, 1064..1120, 1100..1138, 1104..1139		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o2.tm	Method	TBLASTX:Maize
Start	927	End	1530
GI	none	Score	78
Exons	927..989, 928..1362, 929..1528, 945..1529, 1138..1530		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o3.tc	Method	TBLASTX:Cress
Start	1101	End	1530
GI	none	Score	40
Exons	1101..1142, 1109..1141, 1157..1351, 1158..1346, 1164..1373, 1166..1360, 1368..1529, 1376..1447, 1407..1529, 1408..1530		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o2.tw	Method	TBLASTX:Wheat
Start	1218	End	1530
GI	none	Score	492
Exons	1218..1529, 1219..1530, 1219..1530		

Seq. No.	19017	Seq. ID	OJ990526_09.9924.C33
Gene No.	39832	Strand	-
Start	1272	End	1530
Name	OJ990526_09.9924.C33.o2.gp	Method	AAT/GAP
Start	1272	End	1530
GI	uC-osflcyp086h07a1	Score	478
Exons	1272..1530		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39833	Strand	+
Start	875	End	1440
Name	OJ990526_09.9924.C34.o1.gp	Method	AAT/GAP
Start	875	End	1440
GI	2798177	Score	1014
Exons	875..1440		
GI Descrip.	5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39834	Strand	+
Start	4578	End	4741
Name	OJ990526_09.9924.C34.o3.gp	Method	AAT/GAP
Start	4578	End	4741
GI	uC-osflcyp084g07a1	Score	201
Exons	4578..4741		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39835	Strand	-
Start	3915	End	4421
Name	OJ990526_09.9924.C34.o2.gp	Method	AAT/GAP
Start	3915	End	4421
GI	uC-osflcyp011b01b1	Score	979
Exons	3915..4421		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o4.tm	Method	TBLASTX:Maize
Start	55	End	339
GI	none	Score	61
Exons	55..96, 56..94, 57..95, 93..338, 99..311, 100..339, 121..339		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o3.tm	Method	TBLASTX:Maize
Start	349	End	778
GI	none	Score	40
Exons	349..387, 355..372, 356..427, 375..662, 383..451, 436..663, 439..660, 661..777, 661..777, 665..778		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o4.ts	Method	TBLASTX:Soybean
Start	451	End	703
GI	none	Score	84
Exons	451..552, 458..547, 459..551, 532..702, 532..693, 611..703		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34

Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o2.tc	Method	TBLASTX:Cress
Start	658	End	1245
GI	none	Score	104
Exons	658..756, 658..756, 732..917, 758..931, 791..925, 914..958, 1002..1241	733..888, 747..917, 914..958,	757..921, 931..990, 973..1245,

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o6.tm	Method	TBLASTX:Maize
Start	795	End	1057
GI	none	Score	144
Exons	795..914, 796..888, 800..916, 983..1057, 983..1036, 999..1037	800..916,	801..929, 979..1038,

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o2.ts	Method	TBLASTX:Soybean
Start	973	End	1737
GI	none	Score	960
Exons	973..1737, 980..1666, 1002..1730, 1027..1737		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o2.tm	Method	TBLASTX:Maize
Start	1065	End	1539
GI	none	Score	675
Exons	1065..1538, 1065..1538, 1066..1539		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o5.tc	Method	TBLASTX:Cress
Start	1488	End	1930
GI	none	Score	138
Exons	1488..1682, 1499..1630, 1501..1737, 1501..1728, 1836..1874, 1841..1879, 1865..1930		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o3.ts	Method	TBLASTX:Soybean
Start	1757	End	3319
GI	none	Score	188
Exons	1757..1951, 1777..1953, 2108..2188, 2209..2775, 2211..2765, 2213..2782, 2912..2959, 2912..2953, 3036..3062, 3200..3319, 3227..3319	2109..2165,	2207..2305, 2236..2775, 2345..2800, 3078..3224, 3079..3168,

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264

Name	OJ990526_09.9924.C34.o4.tc	Method	TBLASTX:Cress
Start	2330	End	2535
GI	none	Score	288
Exons	2330..2533, 2332..2535, 2332..2535		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o3.tc	Method	TBLASTX:Cress
Start	2536	End	2782
GI	none	Score	313
Exons	2536..2769, 2537..2782		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o5.tm	Method	TBLASTX:Maize
Start	3228	End	3468
GI	none	Score	72
Exons	3228..3272, 3230..3271, 3274..3468, 3276..3467		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o1.tc	Method	TBLASTX:Cress
Start	3404	End	4284
GI	none	Score	67
Exons	3404..3442, 3405..3458, 3405..3458, 3502..3576, 3510..3581, 3511..3579, 3617..4279, 3634..4281, 3635..4273, 3790..4284		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o1.ts	Method	TBLASTX:Soybean
Start	3542	End	4742
GI	none	Score	47
Exons	3542..3577, 3549..3578, 3607..4323, 3608..4273, 3790..4311, 4300..4362, 4303..4362, 4319..4363, 4644..4682, 4689..4742		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o1.tm	Method	TBLASTX:Maize
Start	3634	End	4278
GI	none	Score	613
Exons	3634..4278, 3635..4216, 3808..4275		

Seq. No.	19018	Seq. ID	OJ990526_09.9924.C34
Gene No.	39836	Strand	-
Start	5074	End	5264
Name	OJ990526_09.9924.C34.o4.gp	Method	AAT/GAP
Start	5074	End	5264
GI	2442979	Score	250
Exons	5074..5264		
GI Descrip.	4584523/emb|CAB40754.1| 1.0e-10 (AL049607) putative protein [Arabidopsis thaliana]		

Seq. No.	19019	Seq. ID	OJ990526_09.9924.C35
Gene No.	39837	Strand	+
Start	1	End	154
Name	OJ990526_09.9924.C35.o1.gp	Method	AAT/GAP
Start	1	End	154
GI	uC-osflcyp084g07a1	Score	185
Exons	1..154		
GI Descrip.	'11957/emb|X15901|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	19019	Seq. ID	OJ990526_09.9924.C35
Gene No.	39838	Strand	-
Start	255	End	453
Name	OJ990526_09.9924.C35.o1.tc	Method	TBLASTX:Cress
Start	233	End	423
GI	none	Score	134
Exons	233..352, 260..349, 265..363, 276..353, 348..422, 348..422, 349..423		

Seq. No.	19019	Seq. ID	OJ990526_09.9924.C35
Gene No.	39838	Strand	-
Start	255	End	453
Name	OJ990526_09.9924.C35.o1.ts	Method	TBLASTX:Soybean
Start	233	End	453
GI	none	Score	137
Exons	233..352, 251..349, 265..363, 276..353, 348..434, 348..434, 349..453, 349..435		

Seq. No.	19019	Seq. ID	OJ990526_09.9924.C35
Gene No.	39838	Strand	-
Start	255	End	453
Name	OJ990526_09.9924.C35.o2.gp	Method	AAT/GAP
Start	255	End	444
GI	688_1.R1084	Score	296
Exons	255..444		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	19020	Seq. ID	OJ990526_09.9924.C36
Gene No.	39839	Strand	-
Start	1	End	200
Name	OJ990526_09.9924.C36.o1.gp	Method	AAT/GAP
Start	1	End	200
GI	35332_1.R1084	Score	116
Exons	1..17, 129..200		
GI Descrip.	'3367520 5.0e-77 (AC004392) Similar to protein kinase APK1A, tyrosine-serine-threonine kinase gb_D12522 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	19021	Seq. ID	OJ990526_09.9924.C37
Gene No.	39840	Strand	
Start	63	End	460
Name	OJ990526_09.9924.C37.o1.tc	Method	TBLASTX:Cress
Start	63	End	460
GI	none	Score	541
Exons	63..458, 63..416, 64..459, 65..460		

Seq. No.	19021	Seq. ID	OJ990526_09.9924.C37
Gene No.	39840	Strand	
Start	63	End	460
Name	OJ990526_09.9924.C37.o1.tm	Method	TBLASTX:Maize
Start	121	End	268
GI	none	Score	252
Exons	121..267, 122..268		

Seq. No.	19022	Seq. ID	OJ990526_09.9924.C38
Gene No.	39841	Strand	-
Start	62	End	540
Name	OJ990526_09.9924.C38.o1.gp	Method	AAT/GAP
Start	62	End	410
GI	14384_1.R1084	Score	636
Exons	62..410		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	19022	Seq. ID	OJ990526_09.9924.C38
Gene No.	39841	Strand	-
Start	62	End	540
Name	OJ990526_09.9924.C38.o1.tw	Method	TBLASTX:Wheat
Start	62	End	498
GI	none	Score	673
Exons	62..496, 63..497, 64..498, 64..492		

Seq. No.	19022	Seq. ID	OJ990526_09.9924.C38
Gene No.	39841	Strand	-
Start	62	End	540
Name	OJ990526_09.9924.C38.o1.tc	Method	TBLASTX:Cress
Start	114	End	261
GI	none	Score	198
Exons	114..260, 125..259, 139..261		

Seq. No.	19022	Seq. ID	OJ990526_09.9924.C38
Gene No.	39841	Strand	-
Start	62	End	540
Name	OJ990526_09.9924.C38.o1.tm	Method	TBLASTX:Maize
Start	205	End	540
GI	none	Score	235
Exons	205..540, 210..509		

Seq. No.	19023	Seq. ID	OJ990526_09.9924.C39
Gene No.	39842	Strand	
Start	67	End	935
Name	OJ990526_09.9924.C39.o1.tc	Method	TBLASTX:Cress
Start	67	End	935
GI	none	Score	579
Exons	67..471, 69..467, 455..775, 468..767, 469..768, 470..769, 764..931, 771..935, 772..930, 837..932		

Seq. No.	19023	Seq. ID	OJ990526_09.9924.C39
Gene No.	39842	Strand	
Start	67	End	935
Name	OJ990526_09.9924.C39.o2.tm	Method	TBLASTX:Maize
Start	67	End	317
GI	none	Score	79

Exons	67..261, 69..317		
Seq. No.	19023	Seq. ID	OJ990526_09.9924.C39
Gene No.	39842	Strand	
Start	67	End	935
Name	OJ990526_09.9924.C39.o3.ts	Method	TBLASTX:Soybean
Start	69	End	257
GI	none	Score	57
Exons	69..257, 85..144		
Seq. No.	19023	Seq. ID	OJ990526_09.9924.C39
Gene No.	39842	Strand	
Start	67	End	935
Name	OJ990526_09.9924.C39.o1.ts	Method	TBLASTX:Soybean
Start	259	End	535
GI	none	Score	276
Exons	259..471, 261..467, 455..535, 468..521, 470..535		
Seq. No.	19023	Seq. ID	OJ990526_09.9924.C39
Gene No.	39842	Strand	
Start	67	End	935
Name	OJ990526_09.9924.C39.o1.tm	Method	TBLASTX:Maize
Start	318	End	831
GI	none	Score	248
Exons	318..467, 319..471, 395..481, 450..578, 455..775, 467..769, 761..829, 764..823, 772..831, 772..831		
Seq. No.	19023	Seq. ID	OJ990526_09.9924.C39
Gene No.	39842	Strand	
Start	67	End	935
Name	OJ990526_09.9924.C39.o2.ts	Method	TBLASTX:Soybean
Start	770	End	935
GI	none	Score	157
Exons	770..931, 771..935, 772..930, 837..932		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o2.ts	Method	TBLASTX:Soybean
Start	55	End	197
GI	none	Score	184
Exons	55..195, 56..193, 57..197, 63..197		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o4.tc	Method	TBLASTX:Cress
Start	55	End	201
GI	none	Score	203
Exons	55..201, 56..199		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o3.tc	Method	TBLASTX:Cress
Start	202	End	408
GI	none	Score	260

Exons	202..408, 203..406		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o1.tm	Method	TBLASTX:Maize
Start	225	End	1355
GI	none	Score	742
Exons	225..677, 225..560, 226..678, 226..705, 652..765, 655..711, 675..752, 727..855, 741..857, 747..863, 858..887, 859..888, 901..951, 904..951, 929..1033, 943..1032, 966..1046, 1030..1101, 1031..1087, 1035..1088, 1082..1162, 1083..1160, 1084..1164, 1084..1164, 1192..1344, 1204..1341, 1208..1348, 1209..1355		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o1.ts	Method	TBLASTX:Soybean
Start	358	End	776
GI	none	Score	365
Exons	358..675, 358..693, 362..694, 365..694, 606..695, 747..776		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o1.tc	Method	TBLASTX:Cress
Start	409	End	776
GI	none	Score	361
Exons	409..675, 409..675, 670..753, 747..776		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o1.gp	Method	AAT/GAP
Start	754	End	1012
GI	uC-osflM202088b07a1	Score	514
Exons	754..1012		
GI Descrip.	'11957/emb|X15901|CHOSXX 2.0e-52 Rice complete chloroplast genome'		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o3.ts	Method	TBLASTX:Soybean
Start	1234	End	2224
GI	none	Score	149
Exons	1234..1389, 1235..1390, 1275..1400, 2106..2222, 2108..2224, 2114..2224		
Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o5.tc	Method	TBLASTX:Cress
Start	1284	End	1616
GI	none	Score	114
Exons	1284..1400, 1285..1425, 1285..1413, 1292..1429, 1401..1466, 1403..1456, 1404..1457, 1515..1559, 1515..1589, 1519..1590,		

1573..1611, 1578..1616

Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o3.tm	Method	TBLASTX:Maize
Start	1410	End	1753
GI	none	Score	240
Exons	1410..1565, 1413..1565, 1515..1637, 1561..1677, 1565..1690, 1567..1674, 1663..1713, 1667..1750, 1670..1732, 1674..1751, 1703..1753, 1704..1751		

Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o2.tc	Method	TBLASTX:Cress
Start	2084	End	2435
GI	none	Score	405
Exons	2084..2341, 2085..2435, 2087..2434		

Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o2.tm	Method	TBLASTX:Maize
Start	2093	End	2842
GI	none	Score	239
Exons	2093..2341, 2094..2240, 2095..2445, 2095..2430, 2295..2447, 2381..2446, 2438..2839, 2444..2842, 2476..2841		

Seq. No.	19024	Seq. ID	OJ990526_09.9924.C40
Gene No.	39843	Strand	+
Start	754	End	2842
Name	OJ990526_09.9924.C40.o6.tc	Method	TBLASTX:Cress
Start	2500	End	2841
GI	none	Score	56
Exons	2500..2556, 2512..2532, 2567..2620, 2584..2619, 2584..2715, 2619..2741, 2625..2741, 2626..2742, 2630..2749, 2733..2807, 2737..2841, 2749..2841		

Seq. No.	19025	Seq. ID	OJ990526_09.9924.C41
Gene No.	39844	Strand	
Start	58	End	492
Name	OJ990526_09.9924.C41.o1.tm	Method	TBLASTX:Maize
Start	58	End	492
GI	none	Score	329
Exons	58..309, 61..312, 266..469, 291..470, 307..471, 308..472, 472..492		

Seq. No.	19025	Seq. ID	OJ990526_09.9924.C41
Gene No.	39844	Strand	
Start	58	End	492
Name	OJ990526_09.9924.C41.o1.tc	Method	TBLASTX:Cress
Start	67	End	477
GI	none	Score	35
Exons	67..96, 71..106, 105..197, 117..197, 119..202, 288..467, 295..477, 295..477		

Seq. No.	19025	Seq. ID	OJ990526_09.9924.C41
Gene No.	39844	Strand	
Start	58	End	492
Name	OJ990526_09.9924.C41.o1.ts	Method	TBLASTX:Soybean
Start	109	End	482
GI	none	Score	65
Exons	109..135, 116..190, 136..207, 150..194, 202..228, 307..474, 308..475, 321..482		

Seq. No.	19025	Seq. ID	OJ990526_09.9924.C41
Gene No.	39845	Strand	
Start	660	End	933
Name	OJ990526_09.9924.C41.o2.tm	Method	TBLASTX:Maize
Start	660	End	933
GI	none	Score	256
Exons	660..680, 664..927, 684..815, 703..933		

Seq. No.	19025	Seq. ID	OJ990526_09.9924.C41
Gene No.	39846	Strand	
Start	1058	End	1258
Name	OJ990526_09.9924.C41.o3.tm	Method	TBLASTX:Maize
Start	1058	End	1258
GI	none	Score	219
Exons	1058..1258		

Seq. No.	19026	Seq. ID	OJ990526_09.9924.C42
Gene No.	39847	Strand	+
Start	711	End	1130
Name	OJ990526_09.9924.C42.o1.gp	Method	AAT/GAP
Start	711	End	1130
GI	688_1.R1084	Score	768
Exons	711..1130		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	19026	Seq. ID	OJ990526_09.9924.C42
Gene No.	39848	Strand	-
Start	1163	End	1338
Name	OJ990526_09.9924.C42.o1.tc	Method	TBLASTX:Cress
Start	808	End	1169
GI	none	Score	40
Exons	808..843, 814..843, 815..847, 819..932, 831..941, 844..942, 844..957, 857..958, 905..1042, 961..1041, 993..1049, 1001..1042, 1044..1169, 1044..1169		

Seq. No.	19026	Seq. ID	OJ990526_09.9924.C42
Gene No.	39848	Strand	-
Start	1163	End	1338
Name	OJ990526_09.9924.C42.o1.ts	Method	TBLASTX:Soybean
Start	961	End	1336
GI	none	Score	133
Exons	961..1077, 962..1042, 993..1049, 1056..1085, 1068..1121, 1081..1134, 1082..1135, 1124..1216, 1127..1204, 1132..1206, 1217..1270, 1218..1268, 1219..1281, 1219..1269, 1281..1331, 1286..1336, 1306..1332		

Seq. No.	19026	Seq. ID	OJ990526_09.9924.C42

Gene No.	39848	Strand	-
Start	1163	End	1338
Name	OJ990526_09.9924.C42.o2.gp	Method	AAT/GAP
Start	1163	End	1338
GI	2669_1.R1084	Score	295
Exons	1163..1338		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	19026	Seq. ID	OJ990526_09.9924.C42
Gene No.	39848	Strand	-
Start	1163	End	1338
Name	OJ990526_09.9924.C42.o1.tm	Method	TBLASTX:Maize
Start	1169	End	1338
GI	none	Score	272
Exons	1169..1336, 1170..1337, 1181..1336, 1183..1338		

Seq. No.	19026	Seq. ID	OJ990526_09.9924.C42
Gene No.	39848	Strand	-
Start	1163	End	1338
Name	OJ990526_09.9924.C42.o2.tc	Method	TBLASTX:Cress
Start	1181	End	1333
GI	none	Score	215
Exons	1181..1333, 1181..1333		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39849	Strand	+
Start	1	End	580
Name	OJ990526_09.9924.C43.o1.gp	Method	AAT/GAP
Start	1	End	580
GI	306_12.R1084	Score	237
Exons	1..133, 556..580		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39850	Strand	-
Start	172	End	964
Name	OJ990526_09.9924.C43.o2.gp	Method	AAT/GAP
Start	172	End	964
GI	14384_1.R1084	Score	1357
Exons	172..208, 231..964		
GI Descrip.	'5881726/dbj|BAA84417.1| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39851	Strand	-
Start	5163	End	5463
Name	OJ990526_09.9924.C43.o3.tm	Method	TBLASTX:Maize
Start	14	End	144
GI	none	Score	174
Exons	14..130, 15..134, 82..144		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39851	Strand	-
Start	5163	End	5463

Name	OJ990526_09.9924.C43.o1.tw	Method	TBLASTX:Wheat
Start	258	End	1052
GI	none	Score	1106
Exons	258..1052, 300..1046, 322..1050, 350..1051		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39851	Strand	-
Start	5163	End	5463
Name	OJ990526_09.9924.C43.o1.tc	Method	TBLASTX:Cress
Start	316	End	585
GI	none	Score	359
Exons	316..417, 318..584, 318..584, 454..585		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39851	Strand	-
Start	5163	End	5463
Name	OJ990526_09.9924.C43.o1.tm	Method	TBLASTX:Maize
Start	336	End	705
GI	none	Score	518
Exons	336..680, 336..683, 346..705, 490..696		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39851	Strand	-
Start	5163	End	5463
Name	OJ990526_09.9924.C43.o2.tc	Method	TBLASTX:Cress
Start	668	End	814
GI	none	Score	198
Exons	668..814, 679..813		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39851	Strand	-
Start	5163	End	5463
Name	OJ990526_09.9924.C43.o2.tm	Method	TBLASTX:Maize
Start	759	End	1094
GI	none	Score	235
Exons	759..1094, 764..1063		

Seq. No.	19027	Seq. ID	OJ990526_09.9924.C43
Gene No.	39851	Strand	-
Start	5163	End	5463
Name	OJ990526_09.9924.C43.o3.gp	Method	AAT/GAP
Start	5163	End	5463
GI	3767033	Score	578
Exons	5163..5463		
GI Descrip.	2326760/emb|Y14434|MTTANAD2X 1.0e-53 Triticum aestivum mitochondrial nad2 gene exons 3, 4 and 5, and trnY gene		

Seq. No.	19028	Seq. ID	OJ990526_09.9924.C44
Gene No.	39852	Strand	
Start	81	End	1395
Name	OJ990526_09.9924.C44.o1.tc	Method	TBLASTX:Cress
Start	81	End	1395
GI	none	Score	75
Exons	81..251, 175..405, 176..415, 241..405, 248..409, 336..419, 386..1393, 407..1393, 607..1395, 708..1394		

Seq. No.	19028	Seq. ID	OJ990526_09.9924.C44

Gene No.	39852	Strand	
Start	81	End	1395
Name	OJ990526_09.9924.C44.o2.tm	Method	TBLASTX:Maize
Start	114	End	498
GI	none	Score	131
Exons	114..251, 115..444, 154..444, 336..461, 429..497, 451..498, 451..498		

Seq. No.	19028	Seq. ID	OJ990526_09.9924.C44
Gene No.	39852	Strand	
Start	81	End	1395
Name	OJ990526_09.9924.C44.o1.ts	Method	TBLASTX:Soybean
Start	175	End	1395
GI	none	Score	69
Exons	175..564, 176..1381, 177..251, 266..1393, 607..1395		

Seq. No.	19028	Seq. ID	OJ990526_09.9924.C44
Gene No.	39852	Strand	
Start	81	End	1395
Name	OJ990526_09.9924.C44.o1.tm	Method	TBLASTX:Maize
Start	602	End	1383
GI	none	Score	588
Exons	602..1372, 607..1383, 1027..1383		

Seq. No.	19028	Seq. ID	OJ990526_09.9924.C44
Gene No.	39852	Strand	
Start	81	End	1395
Name	OJ990526_09.9924.C44.o1.tw	Method	TBLASTX:Wheat
Start	634	End	1014
GI	none	Score	191
Exons	634..1014, 635..991		

Seq. No.	19028	Seq. ID	OJ990526_09.9924.C44
Gene No.	39852	Strand	
Start	81	End	1395
Name	OJ990526_09.9924.C44.o2.tw	Method	TBLASTX:Wheat
Start	1102	End	1383
GI	none	Score	236
Exons	1102..1383, 1103..1372, 1108..1377		

Seq. No.	19029	Seq. ID	OJ990526_09.9924.C45
Gene No.	39853	Strand	
Start	7	End	523
Name	OJ990526_09.9924.C45.o2.ts	Method	TBLASTX:Soybean
Start	7	End	242
GI	none	Score	297
Exons	7..84, 23..229, 24..230, 24..242		

Seq. No.	19029	Seq. ID	OJ990526_09.9924.C45
Gene No.	39853	Strand	
Start	7	End	523
Name	OJ990526_09.9924.C45.o1.tw	Method	TBLASTX:Wheat
Start	38	End	523
GI	none	Score	341
Exons	38..271, 39..278, 39..278, 225..317, 267..317, 268..318, 277..318, 303..371, 311..406, 323..343, 329..370, 331..408, 333..413, 335..397, 388..444, 388..444, 446..523, 446..523		

Seq. No.	19029	Seq. ID	OJ990526_09.9924.C45
Gene No.	39854	Strand	
Start	927	End	1135
Name	OJ990526_09.9924.C45.o1.tc	Method	TBLASTX:Cress
Start	927	End	1135
GI	none	Score	133
Exons	927..1115, 927..1127, 928..1119, 953..1135		

Seq. No.	19029	Seq. ID	OJ990526_09.9924.C45
Gene No.	39854	Strand	
Start	927	End	1135
Name	OJ990526_09.9924.C45.o1.ts	Method	TBLASTX:Soybean
Start	927	End	1127
GI	none	Score	148
Exons	927..1112, 927..1127, 934..1119		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39855	Strand	+
Start	1844	End	2200
Name	OJ990526_09.9924.C46.o2.gp	Method	AAT/GAP
Start	1844	End	2200
GI	57581_1.R1084	Score	622
Exons	1844..2200		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39856	Strand	+
Start	2238	End	2335
Name	OJ990526_09.9924.C46.o3.gp	Method	AAT/GAP
Start	2238	End	2335
GI	57581_1.R1084	Score	172
Exons	2238..2335		
GI Descrip.	'1785675/emb|CAA69780| 1.0e-23 (Y08501) orf107a [Arabidopsis thaliana]'		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39857	Strand	+
Start	2417	End	2602
Name	OJ990526_09.9924.C46.o4.gp	Method	AAT/GAP
Start	2417	End	2602
GI	57581_2.R1084	Score	308
Exons	2417..2602		
GI Descrip.	'343690/gb|M37274|WHTMT26SRR 0.0e+00 Wheat mitochondrial 26S rRNA gene, complete cds'		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39858	Strand	+
Start	11160	End	11653
Name	OJ990526_09.9924.C46.o6.gp	Method	AAT/GAP
Start	11160	End	11653
GI	24824_1.R1084	Score	961
Exons	11160..11653		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39859	Strand	-
Start	56	End	346
Name	OJ990526_09.9924.C46.o1.gp	Method	AAT/GAP
Start	56	End	346
GI	41109_1.R1084	Score	530
Exons	56..346		
GI Descrip.	'132712/sp|P12138|RK16_ORYSA 4.0e-56 CHLOROPLAST 50S RIBOSOMAL PROTEIN L16 >gi_71250_pir__R5RZ16 ribosomal protein L16 - rice chloroplast >gi_669084_emb_CAA33933_ (X15901) ribosomal protein L16 [Oryza sativa] >gi_226645_prf__1603356BV ribosomal protein L16 [Oryza sativa]'		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o2.tm	Method	TBLASTX:Maize
Start	56	End	327
GI	none	Score	373
Exons	56..322, 57..323, 58..324, 58..327		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o3.tc	Method	TBLASTX:Cress
Start	56	End	327
GI	none	Score	317
Exons	56..283, 56..322, 58..321, 58..327		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o4.tw	Method	TBLASTX:Wheat
Start	56	End	238
GI	none	Score	286
Exons	56..238, 56..235, 58..237		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o2.ts	Method	TBLASTX:Soybean
Start	86	End	420
GI	none	Score	279
Exons	86..406, 87..407, 88..411, 88..420		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o5.tw	Method	TBLASTX:Wheat
Start	270	End	594
GI	none	Score	131
Exons	270..344, 271..345, 271..345, 315..440, 341..445, 345..440, 350..475, 459..482, 460..525, 461..484, 483..530, 513..557, 525..563, 526..594		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46

Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o8.tm	Method	TBLASTX:Maize
Start	1260	End	1515
GI	none	Score	45
Exons	1260..1304, 1266..1304, 1342..1515, 1349..1513, 1350..1514		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o2.tc	Method	TBLASTX:Cress
Start	1855	End	2578
GI	none	Score	218
Exons	1855..2043, 1856..1921, 1857..2042, 2042..2089, 2043..2090, 2043..2090, 2044..2091, 2199..2333, 2200..2334, 2201..2335, 2422..2472, 2423..2476, 2424..2471, 2458..2565, 2468..2578, 2483..2560, 2484..2564		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o6.tw	Method	TBLASTX:Wheat
Start	1855	End	2060
GI	none	Score	75
Exons	1855..1905, 1856..1930, 1856..1918, 1858..1926, 1879..1962, 1907..1984, 1908..2030, 1908..1985, 1966..2031, 1972..2028, 1973..2029, 1985..2059, 2028..2060		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o3.tw	Method	TBLASTX:Wheat
Start	2061	End	2552
GI	none	Score	378
Exons	2061..2099, 2062..2100, 2070..2333, 2080..2334, 2108..2335, 2178..2333, 2417..2461, 2418..2462, 2418..2462, 2419..2469, 2466..2507, 2466..2549, 2467..2547, 2508..2552		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o9.tm	Method	TBLASTX:Maize
Start	5389	End	5638
GI	none	Score	54
Exons	5389..5424, 5393..5434, 5439..5498, 5476..5607, 5481..5609, 5486..5605, 5507..5638, 5515..5610		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o4.tc	Method	TBLASTX:Cress
Start	5682	End	5943
GI	none	Score	65
Exons	5682..5732, 5683..5736, 5684..5734, 5735..5938, 5737..5943		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-

Start	10180	End	10904
Name	OJ990526_09.9924.C46.o3.ts	Method	TBLASTX:Soybean
Start	5693	End	5946
GI	none	Score	321
Exons	5693..5938, 5693..5938, 5695..5946, 5695..5943		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o4.tm	Method	TBLASTX:Maize
Start	8292	End	8623
GI	none	Score	217
Exons	8292..8441, 8301..8432, 8302..8433, 8385..8549, 8436..8549, 8452..8550, 8456..8623, 8526..8618, 8551..8616, 8552..8620		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o5.tm	Method	TBLASTX:Maize
Start	8702	End	8924
GI	none	Score	346
Exons	8702..8920, 8702..8920, 8703..8924, 8704..8922		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o5.gp	Method	AAT/GAP
Start	10180	End	10696
GI	uC-osf1M202083h12b1	Score	912
Exons	10180..10696		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o4.ts	Method	TBLASTX:Soybean
Start	10189	End	10904
GI	none	Score	176
Exons	10189..10413, 10213..10413, 10220..10414, 10848..10904		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o3.tm	Method	TBLASTX:Maize
Start	10201	End	10511
GI	none	Score	307
Exons	10201..10437, 10213..10422, 10218..10469, 10220..10465, 10460..10489, 10460..10489, 10494..10511		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o5.tc	Method	TBLASTX:Cress
Start	10201	End	10417
GI	none	Score	199
Exons	10201..10416, 10220..10417		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46:o2.tw	Method	TBLASTX:Wheat
Start	10287	End	10719
GI	none	Score	215
Exons	10287..10436, 10289..10426, 10388..10498, 10433..10519, 10434..10508, 10497..10718, 10506..10685, 10507..10719, 10510..10719		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39860	Strand	-
Start	10180	End	10904
Name	OJ990526_09.9924.C46.o7.tm	Method	TBLASTX:Maize
Start	10512	End	10702
GI	none	Score	204
Exons	10512..10649, 10512..10649, 10513..10674, 10514..10651, 10642..10698, 10646..10702, 10648..10701		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39861	Strand	
Start	10844	End	11653
Name	OJ990526_09.9924.C46.o1.tm	Method	TBLASTX:Maize
Start	10844	End	11484
GI	none	Score	186
Exons	10844..10966, 10848..10967, 10943..11053, 10952..11008, 10954..11031, 10956..11051, 10957..11061, 11028..11480, 11070..11480, 11389..11484		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39861	Strand	
Start	10844	End	11653
Name	OJ990526_09.9924.C46.o1.tw	Method	TBLASTX:Wheat
Start	10887	End	11572
GI	none	Score	182
Exons	10887..11015, 10887..11048, 10889..11032, 11006..11104, 11035..11097, 11060..11134, 11098..11526, 11118..11570, 11118..11570, 11147..11572		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39861	Strand	
Start	10844	End	11653
Name	OJ990526_09.9924.C46.o1.ts	Method	TBLASTX:Soybean
Start	11127	End	11653
GI	none	Score	727
Exons	11127..11651, 11127..11651, 11150..11653, 11315..11653		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46
Gene No.	39861	Strand	
Start	10844	End	11653
Name	OJ990526_09.9924.C46.o1.tc	Method	TBLASTX:Cress
Start	11136	End	11612
GI	none	Score	41
Exons	11136..11168, 11170..11520, 11171..11593, 11172..11612, 11175..11612		

Seq. No.	19030	Seq. ID	OJ990526_09.9924.C46

Gene No.	39861	Strand	
Start	10844	End	11653
Name	OJ990526_09.9924.C46.o6.tm	Method	TBLASTX:Maize
Start	11485	End	11653
GI	none	Score	258
Exons	11485..11652, 11487..11651, 11495..11653		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39862	Strand	+
Start	1	End	213
Name	OJ990526_09.9924.C47.o1.gp	Method	AAT/GAP
Start	1	End	213
GI	24824_1.R1084	Score	365
Exons	1..213		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39863	Strand	+
Start	5244	End	5556
Name	OJ990526_09.9924.C47.o2.gp	Method	AAT/GAP
Start	5244	End	5556
GI	2409_1.R1084	Score	589
Exons	5244..5556		
GI Descrip.	'128690/sp|P12126|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39864	Strand	+
Start	9247	End	10160
Name	OJ990526_09.9924.C47.o5.gp	Method	AAT/GAP
Start	9247	End	10160
GI	183_1.R1084	Score	1292
Exons	9247..9270, 9492..10160		
GI Descrip.	'131251/sp|P12094|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39864	Strand	+
Start	9247	End	10160
Name	OJ990526_09.9924.C47.o4.gp	Method	AAT/GAP
Start	9370	End	9485
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	9370..9485		
GI Descrip.	'6002093/emb|X84149.1|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o10.tm	Method	TBLASTX:Maize
Start	1	End	201
GI	none	Score	342
Exons	1..201, 39..194		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o8.tw	Method	TBLASTX:Wheat
Start	1	End	167
GI	none	Score	291
Exons	1..165, 1..162, 39..167		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o10.ts	Method	TBLASTX:Soybean
Start	1	End	201
GI	none	Score	318
Exons	1..201, 1..192, 39..194		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o2.ts	Method	TBLASTX:Soybean
Start	228	End	12323
GI	none	Score	307
Exons	228..680, 233..949, 238..948,	255..953, 262..951, 11985..12323	

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o5.tm	Method	TBLASTX:Maize
Start	460	End	744
GI	none	Score	452
Exons	460..744, 460..744		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o4.tc	Method	TBLASTX:Cress
Start	464	End	1086
GI	none	Score	118
Exons	464..577, 466..579, 574..948, 1068..1085	575..949, 577..951, 1066..1086,	

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o4.tm	Method	TBLASTX:Maize
Start	745	End	1406
GI	none	Score	47
Exons	745..771, 745..771, 765..893, 1000..1083, 1001..1093, 1023..1085,	766..951, 766..948, 785..961, 1055..1099, 1085..1150,	

1085..1150, 1158..1199, 1158..1193, 1197..1235, 1204..1236, 1205..1237, 1232..1360, 1233..1352, 1234..1353, 1342..1404, 1345..1404, 1347..1406

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o3.tw	Method	TBLASTX:Wheat
Start	1241	End	1650
GI	none	Score	123
Exons	1241..1327, 1241..1360, 1242..1352, 1246..1353, 1246..1389, 1248..1403, 1342..1641, 1345..1650, 1347..1646		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o1.ts	Method	TBLASTX:Soybean
Start	1281	End	2297
GI	none	Score	84
Exons	1281..1382, 1285..1383, 1285..1359, 1344..1472, 1378..1710, 1380..2132, 1408..2133, 1756..2133, 2141..2275, 2142..2276, 2142..2297		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o1.tc	Method	TBLASTX:Cress
Start	1286	End	2432
GI	none	Score	69
Exons	1286..1396, 1287..1382, 1340..2131, 1382..1480, 1401..1604, 1401..2132, 1408..2133, 1432..2133, 2145..2219, 2155..2211, 2155..2220, 2214..2270, 2223..2267, 2332..2424, 2376..2432		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o7.tm	Method	TBLASTX:Maize
Start	1407	End	1701
GI	none	Score	256
Exons	1407..1607, 1407..1664, 1408..1665, 1612..1701, 1646..1693		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o14.tm	Method	TBLASTX:Maize
Start	1889	End	2027
GI	none	Score	212
Exons	1889..2026, 1890..2027, 1890..2027		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o9.tc	Method	TBLASTX:Cress
Start	2501	End	3017
GI	none	Score	95
Exons	2501..2647, 2502..2837, 2503..2646, 2511..2648, 2706..2837, 2731..2838, 2734..2838, 2804..3013, 2832..3014, 2851..3015,		

2853..3017

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o4.tw	Method	TBLASTX:Wheat
Start	2666	End	3023
GI	none	Score	493
Exons	2666..3013, 2667..3011, 2700..3023		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o8.tm	Method	TBLASTX:Maize
Start	2739	End	3008
GI	none	Score	376
Exons	2739..3008, 2741..3007		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o7.tc	Method	TBLASTX:Cress
Start	3021	End	3540
GI	none	Score	481
Exons	3021..3383, 3041..3187, 3046..3357, 3048..3374, 3480..3536, 3480..3536, 3481..3537, 3487..3540		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o4.ts	Method	TBLASTX:Soybean
Start	3047	End	3578
GI	none	Score	792
Exons	3047..3577, 3048..3578		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o10.tw	Method	TBLASTX:Wheat
Start	3121	End	3237
GI	none	Score	205
Exons	3121..3237, 3123..3236, 3124..3237		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o5.tw	Method	TBLASTX:Wheat
Start	3356	End	3683
GI	none	Score	377
Exons	3356..3619, 3362..3682, 3363..3683, 3363..3683		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o11.tc	Method	TBLASTX:Cress
Start	4507	End	4844
GI	none	Score	273

Exons	4507..4752, 4510..4752, 4791..4844, 4792..4842		
Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o6.tm	Method	TBLASTX:Maize
Start	4561	End	4844
GI	none	Score	364
Exons	4561..4776, 4561..4815, 4775..4831, 4776..4844, 4777..4842, 4778..4843		
Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o2.tw	Method	TBLASTX:Wheat
Start	4796	End	5239
GI	none	Score	649
Exons	4796..5203, 4796..5239, 4798..5238		
Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o8.tc	Method	TBLASTX:Cress
Start	4883	End	5239
GI	none	Score	74
Exons	4883..4936, 4884..4940, 4884..4940, 4885..4941, 4942..5070, 4943..5071, 4944..5072, 5076..5237, 5077..5238, 5078..5239		
Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o1.tm	Method	TBLASTX:Maize
Start	5243	End	7062
GI	none	Score	442
Exons	5243..5554, 5243..5554, 5281..5562, 5540..5671, 5543..5773, 5563..5772, 5589..5783, 5745..6098, 5766..6098, 5767..6102, 5773..6099, 6068..6259, 6075..6290, 6085..6294, 6087..6251, 6088..6258, 6263..6301, 6280..6693, 6291..6692, 6298..6693, 6299..6697, 6693..6938, 6694..6942, 6694..6942, 6696..6944, 6941..7009, 6942..7013, 6970..6999, 7002..7061, 7012..7062, 7012..7062		
Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o8.ts	Method	TBLASTX:Soybean
Start	5243	End	5530
GI	none	Score	389
Exons	5243..5527, 5243..5530		
Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o10.tc	Method	TBLASTX:Cress
Start	5243	End	5536
GI	none	Score	333
Exons	5243..5455, 5264..5488, 5281..5487, 5504..5536		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o3.ts	Method	TBLASTX:Soybean
Start	5531	End	6219
GI	none	Score	343
Exons	5531..5668, 5546..5773, 5572..5772, 5589..5810, 5745..6218, 5766..6218, 5767..6219		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o2.tc	Method	TBLASTX:Cress
Start	5558	End	6287
GI	none	Score	323
Exons	5558..5773, 5565..5783, 5566..5772, 5592..5774, 5745..5999, 5767..6000, 5773..6000, 5994..6050, 5995..6261, 6037..6108, 6098..6262, 6099..6287		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o1.tw	Method	TBLASTX:Wheat
Start	5596	End	6132
GI	none	Score	293
Exons	5596..5772, 5597..5773, 5597..5773, 5601..5774, 5745..6131, 5766..6131, 5767..6132		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o5.ts	Method	TBLASTX:Soybean
Start	6349	End	6803
GI	none	Score	506
Exons	6349..6693, 6365..6697, 6639..6695, 6693..6803, 6694..6795, 6696..6803		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o3.tc	Method	TBLASTX:Cress
Start	6374	End	6855
GI	none	Score	451
Exons	6374..6697, 6376..6693, 6383..6694, 6693..6854, 6694..6855		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o3.gp	Method	AAT/GAP
Start	7609	End	7668
GI	56420_1.R1084	Score	90
Exons	7609..7668		
GI Descrip.	'2979562 2.0e-16 (AC003680) unknown protein [Arabidopsis thaliana] >gi_3386623 (AC004665) unknown protein [Arabidopsis thaliana]'		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o13.tc	Method	TBLASTX:Cress
Start	7653	End	7789
GI	none	Score	128
Exons	7653..7676, 7654..7779, 7655..7786, 7666..7779, 7673..7789		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o2.tm	Method	TBLASTX:Maize
Start	7678	End	8642
GI	none	Score	141
Exons	7678..7779, 7679..7792, 7682..7792, 7719..7793, 7786..7854, 7790..7867, 7791..7868, 7791..7868, 7863..7961, 7864..7962, 7922..7969, 8041..8133, 8045..8143, 8049..8168, 8052..8144, 8136..8171, 8138..8167, 8167..8403, 8168..8404, 8177..8407, 8178..8408, 8388..8558, 8400..8561, 8401..8559, 8554..8613, 8556..8642		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o9.tw	Method	TBLASTX:Wheat
Start	8030	End	8292
GI	none	Score	73
Exons	8030..8104, 8030..8116, 8104..8292, 8128..8169, 8135..8188, 8168..8284, 8175..8285		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o11.ts	Method	TBLASTX:Soybean
Start	8049	End	8316
GI	none	Score	82
Exons	8049..8171, 8053..8145, 8054..8170, 8127..8177, 8133..8294, 8167..8316, 8167..8277		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o12.tc	Method	TBLASTX:Cress
Start	9023	End	9490
GI	none	Score	82
Exons	9023..9118, 9032..9118, 9037..9126, 9039..9158, 9042..9119, 9276..9347, 9299..9346, 9361..9483, 9365..9490, 9366..9488		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o11.tm	Method	TBLASTX:Maize
Start	9247	End	9489
GI	none	Score	146
Exons	9247..9375, 9266..9379, 9267..9377, 9298..9381, 9347..9487, 9375..9488, 9376..9489, 9376..9489		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o3.tm	Method	TBLASTX:Maize
Start	9491	End	10016
GI	none	Score	69
Exons	9491..9532, 9493..9531, 9495..9533, 9519..9944, 9521..9988, 9528..10016, 9529..9990, 9674..9991		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o7.ts	Method	TBLASTX:Soybean
Start	9491	End	9961
GI	none	Score	54
Exons	9491..9532, 9492..9533, 9495..9533, 9527..9661, 9527..9616, 9529..9660, 9669..9914, 9674..9913, 9688..9918, 9914..9961, 9917..9958		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o5.tc	Method	TBLASTX:Cress
Start	9491	End	9949
GI	none	Score	70
Exons	9491..9586, 9491..9550, 9518..9616, 9523..9663, 9524..9664, 9669..9914, 9686..9913, 9688..9918, 9914..9949, 9917..9946		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o6.ts	Method	TBLASTX:Soybean
Start	10074	End	10526
GI	none	Score	96
Exons	10074..10160, 10074..10160, 10075..10191, 10076..10189, 10144..10221, 10145..10204, 10147..10221, 10208..10522, 10208..10525, 10209..10526		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o9.ts	Method	TBLASTX:Soybean
Start	10527	End	10753
GI	none	Score	372
Exons	10527..10751, 10529..10753, 10529..10753		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o6.tc	Method	TBLASTX:Cress
Start	11971	End	12318
GI	none	Score	505
Exons	11971..12318, 11973..12317		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323

Name	OJ990526_09.9924.C47.o9.tm	Method	TBLASTX:Maize
Start	11971	End	12317
GI	none	Score	267
Exons	11971..12315, 11973..12317		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39865	Strand	-
Start	7609	End	12323
Name	OJ990526_09.9924.C47.o7.tw	Method	TBLASTX:Wheat
Start	11973	End	12278
GI	none	Score	237
Exons	11973..12278, 11983..12261, 12099..12278		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39866	Strand	
Start	12297	End	12803
Name	OJ990526_09.9924.C47.o6.tw	Method	TBLASTX:Wheat
Start	12297	End	12799
GI	none	Score	105
Exons	12297..12374, 12322..12390, 12323..12391, 12365..12436, 12383..12424, 12385..12474, 12385..12435, 12394..12468, 12410..12481, 12473..12598, 12475..12588, 12567..12761, 12585..12761, 12685..12771, 12731..12799		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39866	Strand	
Start	12297	End	12803
Name	OJ990526_09.9924.C47.o12.tm	Method	TBLASTX:Maize
Start	12320	End	12572
GI	none	Score	120
Exons	12320..12424, 12322..12426, 12323..12448, 12328..12450, 12405..12464, 12406..12468, 12406..12468, 12475..12570, 12475..12555, 12477..12572, 12477..12572		

Seq. No.	19031	Seq. ID	OJ990526_09.9924.C47
Gene No.	39866	Strand	
Start	12297	End	12803
Name	OJ990526_09.9924.C47.o13.tm	Method	TBLASTX:Maize
Start	12574	End	12803
GI	none	Score	181
Exons	12574..12711, 12585..12710, 12585..12713, 12716..12787, 12719..12760, 12720..12761, 12749..12799, 12771..12803		

Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o2.ts	Method	TBLASTX:Soybean
Start	1	End	564
GI	none	Score	939
Exons	1..564, 3..563, 4..564		

Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o3.tc	Method	TBLASTX:Cress
Start	1	End	177
GI	none	Score	316

Exons	1..177, 3..176		
Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o2.tm	Method	TBLASTX:Maize
Start	117	End	539
GI	none	Score	666
Exons	117..539, 118..537		
Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o2.tc	Method	TBLASTX:Cress
Start	261	End	590
GI	none	Score	516
Exons	261..590, 265..588		
Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o1.tw	Method	TBLASTX:Wheat
Start	351	End	774
GI	none	Score	674
Exons	351..773, 352..774, 358..774		
Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o1.ts	Method	TBLASTX:Soybean
Start	772	End	1490
GI	none	Score	888
Exons	772..1287, 776..1288, 1121..1288, 1134..1490, 1343..1489		
Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o1.tc	Method	TBLASTX:Cress
Start	792	End	1490
GI	none	Score	856
Exons	792..1079, 794..1288, 796..1287, 1134..1490, 1343..1489		
Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o1.tm	Method	TBLASTX:Maize
Start	833	End	1284
GI	none	Score	754
Exons	833..1084, 835..1284, 836..1282		
Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o2.tw	Method	TBLASTX:Wheat
Start	936	End	1340
GI	none	Score	576
Exons	936..1079, 937..1287, 938..1288, 1134..1340, 1138..1338		

Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o1.gp	Method	AAT/GAP
Start	939	End	1396
GI	2231_2.R1084	Score	845
Exons	939..1396		
GI Descrip.	'11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome'		

Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o3.tm	Method	TBLASTX:Maize
Start	1321	End	1490
GI	none	Score	246
Exons	1321..1488, 1323..1490, 1336..1488		

Seq. No.	19032	Seq. ID	OJ990526_09.9924.C48
Gene No.	39867	Strand	+
Start	939	End	1490
Name	OJ990526_09.9924.C48.o3.tw	Method	TBLASTX:Wheat
Start	1342	End	1490
GI	none	Score	261
Exons	1342..1488, 1343..1489, 1347..1490		

Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39868	Strand	+
Start	1	End	561
Name	OJ990526_09.9924.C49.o1.gp	Method	AAT/GAP
Start	1	End	561
GI	7587_1.R1084	Score	1086
Exons	1..561		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39869	Strand	+
Start	616	End	997
Name	OJ990526_09.9924.C49.o2.gp	Method	AAT/GAP
Start	616	End	997
GI	5607533	Score	609
Exons	616..997		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39870	Strand	+
Start	4742	End	5132
Name	OJ990526_09.9924.C49.o5.gp	Method	AAT/GAP
Start	4742	End	5132
GI	7528_1.R1084	Score	716
Exons	4742..5132		

GI Descrip.	'131205/sp|P12186|PSAI_ORYSA 9.0e-13 PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) >gi_72677_pir__A1RZI photosystem I protein psaI - rice chloroplast >gi_11996_emb_CAA33957_ (X15901) ORF36 [Oryza sativa] >gi_226617_prf__1603356AP photosystem I small peptide [Oryza sativa]'		
Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-
Start	879	End	1337
Name	OJ990526_09.9924.C49.o1.tc	Method	TBLASTX:Cress
Start	1	End	414
GI	none	Score	585
Exons	1..414, 3..413		
Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-
Start	879	End	1337
Name	OJ990526_09.9924.C49.o2.tw	Method	TBLASTX:Wheat
Start	1	End	99
GI	none	Score	183
Exons	1..99, 3..98		
Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-
Start	879	End	1337
Name	OJ990526_09.9924.C49.o1.ts	Method	TBLASTX:Soybean
Start	1	End	447
GI	none	Score	600
Exons	1..447, 3..410		
Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-
Start	879	End	1337
Name	OJ990526_09.9924.C49.o1.tm	Method	TBLASTX:Maize
Start	1	End	450
GI	none	Score	655
Exons	1..420, 3..407, 3..422, 418..450, 419..448		
Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-
Start	879	End	1337
Name	OJ990526_09.9924.C49.o1.tw	Method	TBLASTX:Wheat
Start	101	End	513
GI	none	Score	476
Exons	101..448, 101..448, 419..502, 441..512, 442..513		
Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-
Start	879	End	1337
Name	OJ990526_09.9924.C49.o2.ts	Method	TBLASTX:Soybean
Start	640	End	1217
GI	none	Score	70
Exons	640..696, 640..699, 690..719, 691..723, 894..941, 985..1209, 993..1217, 993..1205		
Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-

Start	879	End	1337
Name	OJ990526_09.9924.C49.o2.tm	Method	TBLASTX:Maize
Start	687	End	1302
GI	none	Score	77
Exons	687..776, 688..735, 689..736, 747..785, 747..785, 874..972, 888..971, 888..974, 889..972, 893..991, 929..1243, 939..1244, 975..1247, 976..1245, 1258..1302, 1263..1301		

Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-
Start	879	End	1337
Name	OJ990526_09.9924.C49.o2.tc	Method	TBLASTX:Cress
Start	688	End	1217
GI	none	Score	45
Exons	688..726, 767..835, 798..830, 896..943, 896..925, 988..1212, 993..1217, 993..1205, 994..1206, 1001..1216		

Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39871	Strand	-
Start	879	End	1337
Name	OJ990526_09.9924.C49.o3.gp	Method	AAT/GAP
Start	879	End	1337
GI	45273_1.R1084	Score	850
Exons	879..1337		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39872	Strand	
Start	1714	End	2077
Name	OJ990526_09.9924.C49.o5.tm	Method	TBLASTX:Maize
Start	1714	End	2077
GI	none	Score	44
Exons	1714..1740, 1860..1937, 1864..2019, 1865..2023, 2015..2074, 2018..2077		

Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39873	Strand	
Start	2550	End	2822
Name	OJ990526_09.9924.C49.o4.tm	Method	TBLASTX:Maize
Start	2550	End	2822
GI	none	Score	86
Exons	2550..2618, 2551..2640, 2600..2704, 2608..2745, 2608..2748, 2610..2789, 2737..2820, 2738..2821, 2739..2822		

Seq. No.	19033	Seq. ID	OJ990526_09.9924.C49
Gene No.	39874	Strand	
Start	4775	End	5125
Name	OJ990526_09.9924.C49.o3.tm	Method	TBLASTX:Maize
Start	4775	End	5125
GI	none	Score	273
Exons	4775..4954, 4781..4954, 4957..5055, 4957..5037, 4958..5071, 5052..5123, 5055..5123, 5057..5125		

Seq. No.	19034	Seq. ID	OJ990526_09.9924.C50
Gene No.	39875	Strand	+
Start	1	End	448
Name	OJ990526_09.9924.C50.o1.gp	Method	AAT/GAP

Start	1	End	448
GI	7528_1.R1084	Score	839
Exons	1..448		
GI Descrip.	'131205/sp|P12186|PSAI_ORYSA 9.0e-13 PHOTOSYSTEM I REACTION CENTRE SUBUNIT VIII (PSI-I) >gi_72677_pir__A1RZI photosystem I protein psaI - rice chloroplast >gi_11996_emb_CAA33957_ (X15901) ORF36 [Oryza sativa] >gi_226617_prf__1603356AP photosystem I small peptide [Oryza sativa]'		

Seq. No.	19034	Seq. ID	OJ990526_09.9924.C50
Gene No.	39875	Strand	+
Start	1	End	448
Name	OJ990526_09.9924.C50.o1.tm	Method	TBLASTX:Maize
Start	2	End	405
GI	none	Score	231
Exons	2..154, 5..154, 157..255, 158..271, 252..323, 255..323, 257..343, 291..389, 313..390, 316..405, 320..391		

Seq. No.	19035	Seq. ID	OJ990526_09.9924.C51
Gene No.	39876	Strand	+
Start	1	End	785
Name	OJ990526_09.9924.C51.o1.gp	Method	AAT/GAP
Start	1	End	390
GI	5003883	Score	656
Exons	1..390		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	19035	Seq. ID	OJ990526_09.9924.C51
Gene No.	39876	Strand	+
Start	1	End	785
Name	OJ990526_09.9924.C51.o1.tm	Method	TBLASTX:Maize
Start	7	End	785
GI	none	Score	130
Exons	7..192, 15..206, 92..178, 99..191, 188..337, 189..365, 190..369, 319..360, 389..607, 395..607, 396..614, 417..635, 436..615, 645..683, 651..668, 652..723, 679..762, 680..742, 681..761, 732..785, 735..785		

Seq. No.	19036	Seq. ID	OJ990526_09.9924.C53
Gene No.	39877	Strand	
Start	116	End	737
Name	OJ990526_09.9924.C53.o1.tw	Method	TBLASTX:Wheat
Start	116	End	601
GI	none	Score	92
Exons	116..193, 116..193, 195..251, 195..251, 226..306, 231..308, 233..328, 242..304, 268..309, 268..336, 269..310, 296..316, 321..371, 321..368, 322..399, 322..372, 361..600, 368..601		

Seq. No.	19036	Seq. ID	OJ990526_09.9924.C53
Gene No.	39877	Strand	
Start	116	End	737
Name	OJ990526_09.9924.C53.o1.tc	Method	TBLASTX:Cress
Start	195	End	400
GI	none	Score	68
Exons	195..251, 195..251, 226..306, 231..308, 233..328, 242..304, 268..309, 268..336, 269..310, 296..316, 321..371, 321..368,		

322..399, 322..372, 361..399, 368..400

Seq. No.	19036	Seq. ID	OJ990526_09.9924.C53
Gene No.	39877	Strand	
Start	116	End	737
Name	OJ990526_09.9924.C53.o1.ts	Method	TBLASTX:Soybean
Start	405	End	737
GI	none	Score	131
Exons	405..503, 412..735, 417..737,	555..737	

Seq. No.	19037	Seq. ID	OJ990526_09.9924.C54
Gene No.	39878	Strand	
Start	103	End	303
Name	OJ990526_09.9924.C54.o1.tm	Method	TBLASTX:Maize
Start	103	End	303
GI	none	Score	213
Exons	103..303		

Seq. No.	19037	Seq. ID	OJ990526_09.9924.C54
Gene No.	39879	Strand	
Start	393	End	687
Name	OJ990526_09.9924.C54.o2.tm	Method	TBLASTX:Maize
Start	393	End	687
GI	none	Score	141
Exons	393..596, 451..687, 452..682		

Seq. No.	19038	Seq. ID	OJ990526_09.9924.C55
Gene No.	39880	Strand	
Start	324	End	681
Name	OJ990526_09.9924.C55.o1.tm	Method	TBLASTX:Maize
Start	324	End	681
GI	none	Score	97
Exons	324..392, 325..390, 325..393, 439..681, 446..643, 454..678	371..445, 390..440, 391..501,	

Seq. No.	19038	Seq. ID	OJ990526_09.9924.C55
Gene No.	39880	Strand	
Start	324	End	681
Name	OJ990526_09.9924.C55.o1.tc	Method	TBLASTX:Cress
Start	531	End	681
GI	none	Score	167
Exons	531..680, 532..681, 532..678		

Seq. No.	19039	Seq. ID	OJ990526_09.9924.C58
Gene No.	39881	Strand	-
Start	35	End	238
Name	OJ990526_09.9924.C58.o1.gp	Method	AAT/GAP
Start	35	End	238
GI	2669_1.R1084	Score	361
Exons	35..238		
GI Descrip.	'3914470/sp|Q40070|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	19039	Seq. ID	OJ990526_09.9924.C58
Gene No.	39881	Strand	-
Start	35	End	238

Name	OJ990526_09.9924.C58.o1.tw	Method	TBLASTX:Wheat
Start	35	End	238
GI	none	Score	78
Exons	35..91, 36..92, 36..92, 37..99, 77..238, 91..237		

Seq. No.	19039	Seq. ID	OJ990526_09.9924.C58
Gene No.	39881	Strand	-
Start	35	End	238
Name	OJ990526_09.9924.C58.o1.tc	Method	TBLASTX:Cress
Start	36	End	237
GI	none	Score	92
Exons	36..98, 36..98, 37..99, 68..106, 77..229, 78..230, 78..230, 91..237, 100..237		

Seq. No.	19039	Seq. ID	OJ990526_09.9924.C58
Gene No.	39881	Strand	-
Start	35	End	238
Name	OJ990526_09.9924.C58.o1.ts	Method	TBLASTX:Soybean
Start	36	End	238
GI	none	Score	126
Exons	36..125, 36..125, 37..126, 132..236, 140..238		

Seq. No.	19039	Seq. ID	OJ990526_09.9924.C58
Gene No.	39881	Strand	-
Start	35	End	238
Name	OJ990526_09.9924.C58.o1.tm	Method	TBLASTX:Maize
Start	54	End	210
GI	none	Score	41
Exons	54..86, 54..92, 55..93, 59..121, 78..143, 79..126, 124..210, 128..208, 130..210		

Seq. No.	19040	Seq. ID	OJ990426_01.9924.C1
Gene No.	39882	Strand	+
Start	288	End	360
Name	OJ990426_01.9924.C1.o1.gs	Method	GENSCAN
Start	288	End	360
GI	none	Score	.6
Exons	288..360		

Seq. No.	19041	Seq. ID	OJ990426_01.9924.C2
Gene No.	39883	Strand	+
Start	419	End	523
Name	OJ990426_01.9924.C2.o1.gp	Method	AAT/GAP
Start	419	End	523
GI	uC-osflcyp088b12b1	Score	140
Exons	419..523		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19042	Seq. ID	OJ990426_01.9924.C4
Gene No.	39884	Strand	+
Start	1	End	687
Name	OJ990426_01.9924.C4.o1.np	Method	AAT/NAP
Start	1	End	246
GI	4760553	Score	166
Exons	1..246		
GI Descrip.	(AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]		

Seq. No.	19042	Seq. ID	OJ990426_01.9924.C4
Gene No.	39884	Strand	+
Start	1	End	687
Name	OJ990426_01.9924.C4.o1.gp	Method	AAT/GAP
Start	123	End	687
GI	81_1.R1084	Score	984
Exons	123..687		
GI Descrip.	'4760553/dbj|BAA77337.1| 0.0e+00 (AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]'		

Seq. No.	19042	Seq. ID	OJ990426_01.9924.C4
Gene No.	39884	Strand	+
Start	1	End	687
Name	OJ990426_01.9924.C4.o1.tm	Method	TBLASTX:Maize
Start	126	End	256
GI	none	Score	90
Exons	126..248, 132..248, 133..249, 155..256		

Seq. No.	19042	Seq. ID	OJ990426_01.9924.C4
Gene No.	39884	Strand	+
Start	1	End	687
Name	OJ990426_01.9924.C4.o1.ts	Method	TBLASTX:Soybean
Start	126	End	351
GI	none	Score	184
Exons	126..242, 133..249, 139..351		

Seq. No.	19042	Seq. ID	OJ990426_01.9924.C4
Gene No.	39884	Strand	+
Start	1	End	687
Name	OJ990426_01.9924.C4.o1.gs	Method	GENSCAN
Start	163	End	223
GI	none	Score	.96
Exons	163..223		

Seq. No.	19043	Seq. ID	OJ990426_01.9924.C6
Gene No.	39885	Strand	+
Start	1	End	1260
Name	OJ990426_01.9924.C6.o1.np	Method	AAT/NAP
Start	1	End	1260
GI	5668638	Score	437
Exons	1..437, 1049..1260		
GI Descrip.	(AL109619) putative protein [Arabidopsis thaliana]		

Seq. No.	19043	Seq. ID	OJ990426_01.9924.C6
Gene No.	39885	Strand	+
Start	1	End	1260
Name	OJ990426_01.9924.C6.o1.gs	Method	GENSCAN
Start	84	End	437
GI	none	Score	.82
Exons	84..140, 183..437		

Seq. No.	19043	Seq. ID	OJ990426_01.9924.C6
Gene No.	39885	Strand	+
Start	1	End	1260
Name	OJ990426_01.9924.C6.o1.ts	Method	TBLASTX:Soybean
Start	182	End	1174

GI	none	Score	388
Exons	182..436, 183..437, 1046..1174, 1048..1173, 1094..1174		

Seq. No.	19043	Seq. ID	OJ990426_01.9924.C6
Gene No.	39885	Strand	+
Start	1	End	1260
Name	OJ990426_01.9924.C6.o1.tc	Method	TBLASTX:Cress
Start	297	End	1174
GI	none	Score	170
Exons	297..437, 302..433, 1046..1174, 1048..1173		

Seq. No.	19043	Seq. ID	OJ990426_01.9924.C6
Gene No.	39885	Strand	+
Start	1	End	1260
Name	OJ990426_01.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	353	End	1174
GI	none	Score	137
Exons	353..433, 354..437, 355..438, 1046..1174, 1048..1173, 1094..1174		

Seq. No.	19044	Seq. ID	OJ990426_01.9924.C7
Gene No.	39886	Strand	+
Start	402	End	551
Name	OJ990426_01.9924.C7.o1.gs	Method	GENSCAN
Start	402	End	551
GI	none	Score	.92
Exons	402..551		

Seq. No.	19045	Seq. ID	OJ990426_01.9924.C8
Gene No.	39887	Strand	+
Start	1	End	684
Name	OJ990426_01.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	681
GI	5902445	Score	586
Exons	1..681		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19045	Seq. ID	OJ990426_01.9924.C8
Gene No.	39887	Strand	+
Start	1	End	684
Name	OJ990426_01.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	64	End	672
GI	none	Score	324
Exons	64..516, 78..167, 541..672, 546..671		

Seq. No.	19045	Seq. ID	OJ990426_01.9924.C8
Gene No.	39887	Strand	+
Start	1	End	684
Name	OJ990426_01.9924.C8.o1.gs	Method	GENSCAN
Start	190	End	684
GI	none	Score	.48
Exons	190..684		

Seq. No.	19046	Seq. ID	OJ990426_01.9924.C12
Gene No.	39888	Strand	-
Start	1	End	603
Name	OJ990426_01.9924.C12.o1.np	Method	AAT/NAP
Start	1	End	603

GI	6498441	Score	591
Exons	1..156, 243..603		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19046	Seq. ID	OJ990426_01.9924.C12
Gene No.	39888	Strand	-
Start	1	End	603
Name	OJ990426_01.9924.C12.o1.tm	Method	TBLASTX:Maize
Start	122	End	478
GI	none	Score	199
Exons	122..478, 123..443		

Seq. No.	19046	Seq. ID	OJ990426_01.9924.C12
Gene No.	39888	Strand	-
Start	1	End	603
Name	OJ990426_01.9924.C12.o1.tw	Method	TBLASTX:Wheat
Start	146	End	601
GI	none	Score	225
Exons	146..598, 146..601, 147..599		

Seq. No.	19046	Seq. ID	OJ990426_01.9924.C12
Gene No.	39888	Strand	-
Start	1	End	603
Name	OJ990426_01.9924.C12.o1.ts	Method	TBLASTX:Soybean
Start	203	End	568
GI	none	Score	118
Exons	203..337, 344..568		

Seq. No.	19047	Seq. ID	OJ990426_01.9924.C14
Gene No.	39889	Strand	-
Start	117	End	755
Name	OJ990426_01.9924.C14.o1.ts	Method	TBLASTX:Soybean
Start	103	End	252
GI	none	Score	156
Exons	103..252, 129..245		

Seq. No.	19047	Seq. ID	OJ990426_01.9924.C14
Gene No.	39889	Strand	-
Start	117	End	755
Name	OJ990426_01.9924.C14.o1.gp	Method	AAT/GAP
Start	117	End	543
GI	LIB3432-017-P1-K1-H10	Score	780
Exons	117..543		
GI Descrip.	'4760553/dbj|BAA77337.1| 3.0e-14 (AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]'		

Seq. No.	19047	Seq. ID	OJ990426_01.9924.C14
Gene No.	39889	Strand	-
Start	117	End	755
Name	OJ990426_01.9924.C14.o1.tm	Method	TBLASTX:Maize
Start	122	End	252
GI	none	Score	90
Exons	122..223, 129..245, 130..252, 130..246		

Seq. No.	19047	Seq. ID	OJ990426_01.9924.C14

Gene No.	39889	Strand	-
Start	117	End	755
Name	OJ990426_01.9924.C14.o1.np	Method	AAT/NAP
Start	132	End	755
GI	4760553	Score	162
Exons	132..252, 691..755		
GI Descrip.	(AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]		

Seq. No.	19047	Seq. ID	OJ990426_01.9924.C14
Gene No.	39889	Strand	-
Start	117	End	755
Name	OJ990426_01.9924.C14.o1.gs	Method	GENSCAN
Start	155	End	215
GI	none	Score	.99
Exons	155..215		

Seq. No.	19048	Seq. ID	OJ990426_01.9924.C15
Gene No.	39890	Strand	-
Start	1	End	699
Name	OJ990426_01.9924.C15.o1.np	Method	AAT/NAP
Start	1	End	699
GI	6721562	Score	1017
Exons	1..699		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	19048	Seq. ID	OJ990426_01.9924.C15
Gene No.	39890	Strand	-
Start	1	End	699
Name	OJ990426_01.9924.C15.o1.tw	Method	TBLASTX:Wheat
Start	28	End	420
GI	none	Score	92
Exons	28..285, 62..301, 268..366, 269..361, 373..420		

Seq. No.	19048	Seq. ID	OJ990426_01.9924.C15
Gene No.	39890	Strand	-
Start	1	End	699
Name	OJ990426_01.9924.C15.o1.tm	Method	TBLASTX:Maize
Start	124	End	415
GI	none	Score	110
Exons	124..378, 125..415		

Seq. No.	19049	Seq. ID	OJ990426_01.9924.C16
Gene No.	39891	Strand	+
Start	2254	End	5429
Name	OJ990426_01.9924.C16.o2.gs	Method	GENSCAN
Start	2254	End	5300
GI	none	Score	.66
Exons	2254..2265, 2503..2572, 2681..2789, 2870..2999, 3215..3421, 3475..5300		

Seq. No.	19049	Seq. ID	OJ990426_01.9924.C16
Gene No.	39891	Strand	+
Start	2254	End	5429

Name	OJ990426_01.9924.C16.o2.np	Method	AAT/NAP
Start	3998	End	5429
GI	6498441	Score	1754
Exons	3998..5062, 5324..5429		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19049	Seq. ID	OJ990426_01.9924.C16
Gene No.	39892	Strand	-
Start	213	End	286
Name	OJ990426_01.9924.C16.o1.gp	Method	AAT/GAP
Start	213	End	286
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	213..286		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19049	Seq. ID	OJ990426_01.9924.C16
Gene No.	39893	Strand	-
Start	896	End	1101
Name	OJ990426_01.9924.C16.o1.gs	Method	GENSCAN
Start	896	End	1101
GI	none	Score	.96
Exons	896..1006, 1030..1101		

Seq. No.	19049	Seq. ID	OJ990426_01.9924.C16
Gene No.	39894	Strand	
Start	4150	End	4539
Name	OJ990426_01.9924.C16.o1.tw	Method	TBLASTX:Wheat
Start	4150	End	4539
GI	none	Score	54
Exons	4150..4194, 4201..4299, 4218..4298, 4266..4505, 4282..4539		

Seq. No.	19049	Seq. ID	OJ990426_01.9924.C16
Gene No.	39894	Strand	
Start	4150	End	4539
Name	OJ990426_01.9924.C16.o1.tm	Method	TBLASTX:Maize
Start	4189	End	4437
GI	none	Score	197
Exons	4189..4437		

Seq. No.	19050	Seq. ID	OJ990426_01.9924.C17
Gene No.	39895	Strand	+
Start	1	End	901
Name	OJ990426_01.9924.C17.o1.np	Method	AAT/NAP
Start	1	End	901
GI	6498441	Score	874
Exons	1..138, 202..575, 759..901		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19050	Seq. ID	OJ990426_01.9924.C17
Gene No.	39895	Strand	+
Start	1	End	901

Name	OJ990426_01.9924.C17.o1.gs	Method	GENSCAN
Start	10	End	758
GI	none	Score	.64
Exons	10..138, 202..575, 674..758		

Seq. No.	19050	Seq. ID	OJ990426_01.9924.C17
Gene No.	39895	Strand	+
Start	1	End	901
Name	OJ990426_01.9924.C17.o1.tw	Method	TBLASTX:Wheat
Start	209	End	672
GI	none	Score	203
Exons	209..652, 210..665, 211..672, 211..666		

Seq. No.	19050	Seq. ID	OJ990426_01.9924.C17
Gene No.	39895	Strand	+
Start	1	End	901
Name	OJ990426_01.9924.C17.o1.ts	Method	TBLASTX:Soybean
Start	250	End	615
GI	none	Score	112
Exons	250..474, 481..615		

Seq. No.	19050	Seq. ID	OJ990426_01.9924.C17
Gene No.	39895	Strand	+
Start	1	End	901
Name	OJ990426_01.9924.C17.o1.tm	Method	TBLASTX:Maize
Start	381	End	696
GI	none	Score	381
Exons	381..686, 382..696, 580..696		

Seq. No.	19050	Seq. ID	OJ990426_01.9924.C17
Gene No.	39895	Strand	+
Start	1	End	901
Name	OJ990426_01.9924.C17.o2.tw	Method	TBLASTX:Wheat
Start	673	End	831
GI	none	Score	180
Exons	673..831, 681..830		

Seq. No.	19051	Seq. ID	OJ990426_01.9924.C18
Gene No.	39896	Strand	+
Start	1	End	734
Name	OJ990426_01.9924.C18.o1.np	Method	AAT/NAP
Start	1	End	240
GI	5042454	Score	72
Exons	1..105, 178..240		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19051	Seq. ID	OJ990426_01.9924.C18
Gene No.	39896	Strand	+
Start	1	End	734
Name	OJ990426_01.9924.C18.o2.np	Method	AAT/NAP
Start	64	End	734
GI	5042454	Score	390
Exons	64..209, 286..393, 447..734		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19051	Seq. ID	OJ990426_01.9924.C18
Gene No.	39896	Strand	+

Start	1	End	734
Name	OJ990426_01.9924.C18.o1.gs	Method	GENSCAN
Start	187	End	602
GI	none	Score	.71
Exons	187..393, 447..602		

Seq. No.	19052	Seq. ID	OJ990426_01.9924.C22
Gene No.	39897	Strand	+
Start	122	End	686
Name	OJ990426_01.9924.C22.o1.gs	Method	GENSCAN
Start	122	End	686
GI	none	Score	.64
Exons	122..201, 558..686		

Seq. No.	19052	Seq. ID	OJ990426_01.9924.C22
Gene No.	39898	Strand	+
Start	1592	End	1916
Name	OJ990426_01.9924.C22.o2.gs	Method	GENSCAN
Start	1592	End	1916
GI	none	Score	.81
Exons	1592..1691, 1804..1916		

Seq. No.	19052	Seq. ID	OJ990426_01.9924.C22
Gene No.	39899	Strand	+
Start	1900	End	2005
Name	OJ990426_01.9924.C22.o2.gp	Method	AAT/GAP
Start	1900	End	2005
GI	5816518	Score	159
Exons	1900..2005		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19052	Seq. ID	OJ990426_01.9924.C22
Gene No.	39900	Strand	-
Start	1661	End	1891
Name	OJ990426_01.9924.C22.o1.gp	Method	AAT/GAP
Start	1661	End	1891
GI	3761181	Score	337
Exons	1661..1891		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19053	Seq. ID	OJ990426_01.9924.C23
Gene No.	39901	Strand	-
Start	1	End	1628
Name	OJ990426_01.9924.C23.o1.np	Method	AAT/NAP
Start	1	End	1628
GI	4760553	Score	1227
Exons	1..27, 234..364, 809..933, 1020..1628		
GI Descrip.	(AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]		

Seq. No.	19053	Seq. ID	OJ990426_01.9924.C23
Gene No.	39901	Strand	-
Start	1	End	1628
Name	OJ990426_01.9924.C23.o1.tc	Method	TBLASTX:Cress
Start	243	End	1589
GI	none	Score	100

Exons	243..365, 252..362, 256..366, 802..936, 807..935, 998..1540, 1019..1552, 1020..1589, 1434..1565		
Seq. No.	19053	Seq. ID	OJ990426_01.9924.C23
Gene No.	39901	Strand	-
Start	1	End	1628
Name	OJ990426_01.9924.C23.o1.ts	Method	TBLASTX:Soybean
Start	243	End	1589
GI	none	Score	142
Exons	243..368, 252..365, 807..932, 807..935, 808..936, 1013..1549, 1013..1552, 1020..1589		
Seq. No.	19053	Seq. ID	OJ990426_01.9924.C23
Gene No.	39901	Strand	-
Start	1	End	1628
Name	OJ990426_01.9924.C23.o1.tm	Method	TBLASTX:Maize
Start	243	End	1589
GI	none	Score	168
Exons	243..368, 252..365, 807..935, 808..936, 811..936, 1019..1552, 1020..1589, 1450..1560		
Seq. No.	19053	Seq. ID	OJ990426_01.9924.C23
Gene No.	39901	Strand	-
Start	1	End	1628
Name	OJ990426_01.9924.C23.o1.gp	Method	AAT/GAP
Start	245	End	1561
GI	81_1.R1084	Score	1480
Exons	245..364, 809..933, 1020..1561		
GI Descrip.	'4760553/dbj|BAA77337.1| 0.0e+00 (AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]'		
Seq. No.	19053	Seq. ID	OJ990426_01.9924.C23
Gene No.	39901	Strand	-
Start	1	End	1628
Name	OJ990426_01.9924.C23.o1.gs	Method	GENSCAN
Start	252	End	1560
GI	none	Score	.66
Exons	252..364, 809..933, 1020..1560		
Seq. No.	19053	Seq. ID	OJ990426_01.9924.C23
Gene No.	39901	Strand	-
Start	1	End	1628
Name	OJ990426_01.9924.C23.o1.tw	Method	TBLASTX:Wheat
Start	1072	End	1562
GI	none	Score	613
Exons	1072..1371, 1073..1549, 1073..1552, 1434..1562, 1441..1560		
Seq. No.	19054	Seq. ID	OJ990426_01.9924.C24
Gene No.	39902	Strand	-
Start	1	End	1526
Name	OJ990426_01.9924.C24.o1.np	Method	AAT/NAP
Start	1	End	1526
GI	4760553	Score	1168
Exons	1..644, 1284..1526		
GI Descrip.	(AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]		
Seq. No.	19054	Seq. ID	OJ990426_01.9924.C24

Gene No.	39902	Strand	-
Start	1	End	1526
Name	OJ990426_01.9924.C24.o1.tc	Method	TBLASTX:Cress
Start	82	End	1515
GI	none	Score	296
Exons	82..624, 103..639, 104..673, 518..649, 1294..1515, 1295..1444		

Seq. No.	19054	Seq. ID	OJ990426_01.9924.C24
Gene No.	39902	Strand	-
Start	1	End	1526
Name	OJ990426_01.9924.C24.o1.ts	Method	TBLASTX:Soybean
Start	97	End	1452
GI	none	Score	417
Exons	97..633, 97..639, 104..673, 1285..1452, 1295..1438		

Seq. No.	19054	Seq. ID	OJ990426_01.9924.C24
Gene No.	39902	Strand	-
Start	1	End	1526
Name	OJ990426_01.9924.C24.o1.tm	Method	TBLASTX:Maize
Start	103	End	1461
GI	none	Score	699
Exons	103..639, 104..673, 534..644, 1257..1460, 1288..1461, 1295..1459		

Seq. No.	19054	Seq. ID	OJ990426_01.9924.C24
Gene No.	39902	Strand	-
Start	1	End	1526
Name	OJ990426_01.9924.C24.o1.gp	Method	AAT/GAP
Start	104	End	1460
GI	81_1.R1084	Score	1363
Exons	104..644, 1284..1460		
GI Descrip.	'4760553/dbj|BAA77337.1| 0.0e+00 (AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]'		

Seq. No.	19054	Seq. ID	OJ990426_01.9924.C24
Gene No.	39902	Strand	-
Start	1	End	1526
Name	OJ990426_01.9924.C24.o1.gs	Method	GENSCAN
Start	104	End	1455
GI	none	Score	.8
Exons	104..644, 1284..1455		

Seq. No.	19054	Seq. ID	OJ990426_01.9924.C24
Gene No.	39902	Strand	-
Start	1	End	1526
Name	OJ990426_01.9924.C24.o1.tw	Method	TBLASTX:Wheat
Start	156	End	1461
GI	none	Score	286
Exons	156..467, 156..455, 157..633, 157..639, 518..646, 525..644, 1257..1460, 1284..1343, 1285..1461, 1286..1459		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39903	Strand	+
Start	176	End	9352
Name	OJ990426_01.9924.C25.o1.gs	Method	GENSCAN
Start	176	End	9352
GI	none	Score	.46
Exons	176..261, 404..504, 2199..2268, 4050..4105, 5391..5449,		

6356..6456, 6689..6763, 6875..7043, 7212..7336, 7404..7532,
7600..7631, 7695..7944, 8052..8414, 8560..8642, 8797..9352

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39903	Strand	+
Start	176	End	9352
Name	OJ990426_01.9924.C25.o1.np	Method	AAT/NAP
Start	4938	End	6763
GI	6721512	Score	81
Exons	4938..5029, 5057..5183, 5224..5257, 6720..6763		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39903	Strand	+
Start	176	End	9352
Name	OJ990426_01.9924.C25.o2.np	Method	AAT/NAP
Start	6410	End	7956
GI	6721558	Score	218
Exons	6410..6509, 7212..7496, 7885..7956		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39903	Strand	+
Start	176	End	9352
Name	OJ990426_01.9924.C25.o3.np	Method	AAT/NAP
Start	6840	End	8456
GI	6721561	Score	913
Exons	6840..6892, 7388..7631, 7695..8456		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39904	Strand	-
Start	9956	End	13051
Name	OJ990426_01.9924.C25.o4.np	Method	AAT/NAP
Start	9956	End	13051
GI	5902445	Score	2921
Exons	9956..11191, 11222..13051		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o3.tw	Method	TBLASTX:Wheat
Start	9965	End	10573
GI	none	Score	60
Exons	9965..10096, 9966..10091, 10121..10573		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o6.tw	Method	TBLASTX:Wheat

Start	10595	End	10922
GI	none	Score	60
Exons	10595..10726, 10605..10724, 10722..10922, 10723..10830		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o3.tm	Method	TBLASTX:Maize
Start	10767	End	11071
GI	none	Score	70
Exons	10767..10940, 10768..10944, 10922..11071, 10929..11054		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o8.tw	Method	TBLASTX:Wheat
Start	11272	End	11556
GI	none	Score	80
Exons	11272..11556, 11315..11536		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o5.tw	Method	TBLASTX:Wheat
Start	11560	End	11967
GI	none	Score	55
Exons	11560..11733, 11561..11683, 11740..11967, 11747..11914		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o1.ts	Method	TBLASTX:Soybean
Start	12056	End	12449
GI	none	Score	90
Exons	12056..12448, 12306..12449		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o2.tw	Method	TBLASTX:Wheat
Start	12111	End	12535
GI	none	Score	267
Exons	12111..12488, 12113..12535, 12143..12532		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o2.tm	Method	TBLASTX:Maize
Start	12209	End	12592
GI	none	Score	140
Exons	12209..12592, 12210..12488		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o1.tm	Method	TBLASTX:Maize
Start	12620	End	12976

GI	none	Score	219
Exons	12620..12976, 12621..12914, 12671..12922		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o1.tw	Method	TBLASTX:Wheat
Start	12651	End	13106
GI	none	Score	384
Exons	12651..13106, 12651..13079, 12662..13105		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o2.ts	Method	TBLASTX:Soybean
Start	12701	End	13066
GI	none	Score	109
Exons	12701..12835, 12842..13066		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o5.np	Method	AAT/NAP
Start	13118	End	16191
GI	5902444	Score	977
Exons	13118..14810, 15128..15248, 16043..16191		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o4.tw	Method	TBLASTX:Wheat
Start	13298	End	13753
GI	none	Score	145
Exons	13298..13534, 13308..13532, 13571..13753, 13572..13715		

Seq. No.	19055	Seq. ID	OJ990426_01.9924.C25
Gene No.	39905	Strand	-
Start	13118	End	16191
Name	OJ990426_01.9924.C25.o7.tw	Method	TBLASTX:Wheat
Start	14326	End	14724
GI	none	Score	245
Exons	14326..14724		

Seq. No.	19056	Seq. ID	OJ990426_01.9924.C26
Gene No.	39906	Strand	+
Start	1	End	968
Name	OJ990426_01.9924.C26.o1.np	Method	AAT/NAP
Start	1	End	968
GI	6721512	Score	102
Exons	1..21, 713..812, 840..968		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	19056	Seq. ID	OJ990426_01.9924.C26
Gene No.	39907	Strand	-
Start	17	End	1020
Name	OJ990426_01.9924.C26.o1.gs	Method	GENSCAN

Start	17	End	1020
GI	none	Score	.43
Exons	17..188, 230..749, 931..1020		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o1.gs	Method	GENSCAN
Start	697	End	7359
GI	none	Score	.45
Exons	697..847, 1181..1284, 1340..1724, 1748..3339, 3361..3720, 3784..4531, 4774..7359		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o1.np	Method	AAT/NAP
Start	1862	End	7439
GI	6498441	Score	6556
Exons	1862..2926, 3257..3720, 3784..4157, 4341..4475, 4649..4970, 5163..5564, 5736..7133, 7227..7439		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o7.tw	Method	TBLASTX:Wheat
Start	2011	End	2267
GI	none	Score	58
Exons	2011..2058, 2065..2163, 2070..2162, 2130..2267, 2146..2265		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o4.tm	Method	TBLASTX:Maize
Start	2016	End	2307
GI	none	Score	200
Exons	2016..2306, 2053..2307		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o4.tw	Method	TBLASTX:Wheat
Start	2268	End	6896
GI	none	Score	371
Exons	2268..2348, 6515..6571, 6516..6896, 6617..6862		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o3.tw	Method	TBLASTX:Wheat
Start	3141	End	3600
GI	none	Score	398
Exons	3141..3278, 3142..3600, 3154..3570, 3336..3596		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o1.tw	Method	TBLASTX:Wheat
Start	3791	End	4254
GI	none	Score	210
Exons	3791..4252, 3792..4253, 3793..4254, 3793..4254		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o3.ts	Method	TBLASTX:Soybean
Start	3832	End	4197
GI	none	Score	118
Exons	3832..4056, 4063..4197		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o1.tm	Method	TBLASTX:Maize
Start	3922	End	4278
GI	none	Score	392
Exons	3922..4278, 3957..4277, 4162..4278		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o3.tm	Method	TBLASTX:Maize
Start	4305	End	4688
GI	none	Score	280
Exons	4305..4583, 4306..4584, 4578..4688		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o2.tw	Method	TBLASTX:Wheat
Start	4362	End	4786
GI	none	Score	268
Exons	4362..4583, 4363..4593, 4462..4584, 4575..4781, 4601..4786		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o1.ts	Method	TBLASTX:Soybean
Start	4441	End	4811
GI	none	Score	151
Exons	4441..4584, 4458..4583, 4581..4811		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o5.tw	Method	TBLASTX:Wheat
Start	5412	End	5870
GI	none	Score	239
Exons	5412..5666, 5436..5660, 5501..5674, 5721..5870, 5730..5867, 5732..5869		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o2.ts	Method	TBLASTX:Soybean
Start	5559	End	6125
GI	5666795	Score	68
Exons	5559..5657, 5733..5870, 5919..6125		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o8.tw	Method	TBLASTX:Wheat
Start	5873	End	6327
GI	none	Score	198
Exons	5873..6049, 5910..6185, 6274..6327		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o2.tm	Method	TBLASTX:Maize
Start	6378	End	6740
GI	none	Score	361
Exons	6378..6701, 6407..6688, 6693..6740		

Seq. No.	19057	Seq. ID	OJ990426_01.9924.C27
Gene No.	39908	Strand	+
Start	697	End	7439
Name	OJ990426_01.9924.C27.o6.tw	Method	TBLASTX:Wheat
Start	6897	End	7207
GI	none	Score	266
Exons	6897..7187, 6902..7180, 7037..7207		

Seq. No.	19058	Seq. ID	OJ990426_01.9924.C28
Gene No.	39909	Strand	+
Start	1	End	520
Name	OJ990426_01.9924.C28.o1.np	Method	AAT/NAP
Start	1	End	517
GI	6498441	Score	689
Exons	1..142, 236..517		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19058	Seq. ID	OJ990426_01.9924.C28
Gene No.	39909	Strand	+
Start	1	End	520
Name	OJ990426_01.9924.C28.o1.gs	Method	GENSCAN
Start	185	End	520
GI	none	Score	.56
Exons	185..520		

Seq. No.	19058	Seq. ID	OJ990426_01.9924.C28
Gene No.	39910	Strand	+
Start	682	End	912
Name	OJ990426_01.9924.C28.o1.gp	Method	AAT/GAP
Start	682	End	912

GI	2428323	Score	398
Exons	682..912		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	19059	Seq. ID	OJ990426_01.9924.C29
Gene No.	39911	Strand	+
Start	276	End	398
Name	OJ990426_01.9924.C29.o1.gs	Method	GENSCAN
Start	276	End	398
GI	none	Score	.66
Exons	276..398		

Seq. No.	19059	Seq. ID	OJ990426_01.9924.C29
Gene No.	39912	Strand	-
Start	527	End	3149
Name	OJ990426_01.9924.C29.o2.gs	Method	GENSCAN
Start	527	End	2977
GI	none	Score	.96
Exons	527..2480, 2579..2977		

Seq. No.	19059	Seq. ID	OJ990426_01.9924.C29
Gene No.	39912	Strand	-
Start	527	End	3149
Name	OJ990426_01.9924.C29.o1.np	Method	AAT/NAP
Start	530	End	3149
GI	5803259	Score	3357
Exons	530..2202, 2248..2480, 2579..3149		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	19060	Seq. ID	OJ990426_01.9924.C30
Gene No.	39913	Strand	+
Start	1	End	1669
Name	OJ990426_01.9924.C30.o2.np	Method	AAT/NAP
Start	1	End	1669
GI	5042454	Score	59
Exons	1..254, 1476..1669		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19060	Seq. ID	OJ990426_01.9924.C30
Gene No.	39914	Strand	-
Start	1	End	1248
Name	OJ990426_01.9924.C30.o1.np	Method	AAT/NAP
Start	1	End	1248
GI	6907089	Score	2026
Exons	1..1248		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19060	Seq. ID	OJ990426_01.9924.C30
Gene No.	39914	Strand	-
Start	1	End	1248
Name	OJ990426_01.9924.C30.o1.gs	Method	GENSCAN
Start	12	End	1248
GI	none	Score	.95
Exons	12..130, 145..1248		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31

Gene No.	39915	Strand	+
Start	206	End	661
Name	OJ990426_01.9924.C31.o1.np	Method	AAT/NAP
Start	206	End	661
GI	5042454	Score	249
Exons	206..378, 608..661		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31
Gene No.	39916	Strand	+
Start	5873	End	15871
Name	OJ990426_01.9924.C31.o2.np	Method	AAT/NAP
Start	5867	End	10811
GI	3176674	Score	1036
Exons	5867..6034, 8070..8324, 8936..9060, 9376..9421, 9516..9590, 9679..9747, 9822..9992, 10072..10131, 10725..10811		
GI Descrip.	(AC003671) Contains similarity to Ste20-like kinase homolog from A. thaliana chromosome 4 contig gb|Z97336. [Arabidopsis thaliana]		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31
Gene No.	39916	Strand	+
Start	5873	End	15871
Name	OJ990426_01.9924.C31.o2.gs	Method	GENSCAN
Start	5873	End	15646
GI	none	Score	.85
Exons	5873..6034, 7971..8027, 8070..8324, 9679..9747, 9822..9992, 10066..10131, 10725..10793, 10918..11049, 11149..11225, 12157..12180, 13691..13779, 13916..13998, 15065..15099, 15433..15484, 15575..15646		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31
Gene No.	39916	Strand	+
Start	5873	End	15871
Name	OJ990426_01.9924.C31.o1.gp	Method	AAT/GAP
Start	14774	End	15871
GI	none	Score	970
Exons	14774..14859, 14929..14971, 15065..15099, 15295..15356, 15433..15484, 15575..15871		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31
Gene No.	39917	Strand	-
Start	14300	End	16602
Name	OJ990426_01.9924.C31.o1.ts	Method	TBLASTX:Soybean
Start	5953	End	10799
GI	none	Score	100
Exons	5953..6036, 5954..6034, 5954..6043, 8059..8349, 8066..8326, 8069..8350, 8070..8339, 8233..8352, 8933..9061, 8935..9060, 8981..9061, 9364..9408, 9365..9421, 9506..9592, 9507..9593, 9674..9751, 9675..9752, 9679..9747, 9815..9991, 9822..9998, 10051..10131, 10721..10792, 10722..10799		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31
Gene No.	39917	Strand	-
Start	14300	End	16602
Name	OJ990426_01.9924.C31.o1.tc	Method	TBLASTX:Cress
Start	8184	End	9732

GI	none	Score	171
Exons	8184..8339, 8189..8320, 8933..9061, 8935..9060, 9365..9415, 9506..9592, 9510..9593, 9675..9731, 9679..9732		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31
Gene No.	39917	Strand	-
Start	14300	End	16602
Name	OJ990426_01.9924.C31.o1.tm	Method	TBLASTX:Maize
Start	8229	End	9973
GI	none	Score	123
Exons	8229..8339, 8933..9061, 8935..9060, 9371..9418, 9372..9419, 9504..9593, 9506..9592, 9675..9743, 9679..9747, 9821..9973, 9822..9968		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31
Gene No.	39917	Strand	-
Start	14300	End	16602
Name	OJ990426_01.9924.C31.o2.tm	Method	TBLASTX:Maize
Start	10776	End	12159
GI	none	Score	68
Exons	10776..10796, 10918..10989, 10919..10987, 10972..11049, 10990..11046, 11141..11224, 11146..11244, 11164..11259, 11907..11945, 11908..11946, 11912..12154, 11935..11976, 11993..12154, 12003..12158, 12031..12159		

Seq. No.	19061	Seq. ID	OJ990426_01.9924.C31
Gene No.	39917	Strand	-
Start	14300	End	16602
Name	OJ990426_01.9924.C31.o3.np	Method	AAT/NAP
Start	14300	End	16602
GI	5852093	Score	63
Exons	14300..14365, 16028..16167, 16501..16602		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39918	Strand	+
Start	142	End	721
Name	OJ990426_01.9924.C32.o1.gp	Method	AAT/GAP
Start	142	End	721
GI	none	Score	741
Exons	142..206, 283..334, 425..721		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39918	Strand	+
Start	142	End	721
Name	OJ990426_01.9924.C32.o1.gs	Method	GENSCAN
Start	283	End	496
GI	none	Score	.95
Exons	283..334, 425..496		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39919	Strand	+
Start	2975	End	3193
Name	OJ990426_01.9924.C32.o2.gs	Method	GENSCAN
Start	2975	End	3193
GI	none	Score	.96
Exons	2975..3193		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39920	Strand	+
Start	11513	End	12599
Name	OJ990426_01.9924.C32.o4.gs	Method	GENSCAN
Start	11513	End	12599
GI	none	Score	.75
Exons	11513..11836, 11965..12069, 12480..12599		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39921	Strand	-
Start	1	End	2388
Name	OJ990426_01.9924.C32.o1.np	Method	AAT/NAP
Start	1	End	2388
GI	5852093	Score	59
Exons	1..58, 897..985, 2355..2388		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39922	Strand	-
Start	6530	End	11806
Name	OJ990426_01.9924.C32.o3.gs	Method	GENSCAN
Start	6530	End	9560
GI	none	Score	.86
Exons	6530..6910, 7326..7454, 7792..7919, 8206..8255, 8378..8466, 8625..8650, 8767..8839, 9166..9282, 9369..9560		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39922	Strand	-
Start	6530	End	11806
Name	OJ990426_01.9924.C32.o2.np	Method	AAT/NAP
Start	6533	End	11806
GI	6016586	Score	2372
Exons	6533..6910, 7326..7454, 7585..7620, 7759..7932, 8061..8101, 8206..8255, 8378..8466, 8576..8650, 8767..8855, 8961..9021, 9166..9282, 9369..9611, 11681..11806		
GI Descrip.	MLO PROTEIN HOMOLOG 1 gi|2765819|emb|CAB08606| (Z95353) OsMlo-h1 [Oryza sativa]		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39922	Strand	-
Start	6530	End	11806
Name	OJ990426_01.9924.C32.o1.tm	Method	TBLASTX:Maize
Start	7365	End	7933
GI	none	Score	76
Exons	7365..7469, 7378..7470, 7582..7623, 7583..7624, 7760..7933, 7762..7932		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39922	Strand	-
Start	6530	End	11806
Name	OJ990426_01.9924.C32.o1.ts	Method	TBLASTX:Soybean
Start	7753	End	7935
GI	none	Score	104
Exons	7753..7869, 7753..7935, 7757..7933		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32

Gene No.	39922	Strand	-
Start	6530	End	11806
Name	OJ990426_01.9924.C32.o1.tc	Method	TBLASTX:Cress
Start	7762	End	9022
GI	none	Score	67
Exons	7762..7932, 8058..8102, 8246..8287, 8329..8445, 8372..8446, 8577..8651, 8579..8650, 8758..8856, 8765..8857, 8965..9021, 8972..9022		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39922	Strand	-
Start	6530	End	11806
Name	OJ990426_01.9924.C32.o2.ts	Method	TBLASTX:Soybean
Start	8204	End	9285
GI	none	Score	98
Exons	8204..8248, 8368..8445, 8378..8446, 8570..8650, 8577..8651, 8758..8856, 8968..9021, 9098..9142, 9163..9285		

Seq. No.	19062	Seq. ID	OJ990426_01.9924.C32
Gene No.	39922	Strand	-
Start	6530	End	11806
Name	OJ990426_01.9924.C32.o2.tm	Method	TBLASTX:Maize
Start	8392	End	9285
GI	none	Score	76
Exons	8392..8445, 8393..8446, 8570..8650, 8577..8651, 8758..8856, 8968..9021, 9098..9142, 9163..9285		

Seq. No.	19063	Seq. ID	OJ990426_01.9924.C33
Gene No.	39923	Strand	-
Start	1224	End	1345
Name	OJ990426_01.9924.C33.o1.gs	Method	GENSCAN
Start	1224	End	1345
GI	none	Score	.61
Exons	1224..1234, 1294..1345		

Seq. No.	19063	Seq. ID	OJ990426_01.9924.C33
Gene No.	39924	Strand	-
Start	2697	End	5143
Name	OJ990426_01.9924.C33.o2.gs	Method	GENSCAN
Start	2697	End	5143
GI	none	Score	.42
Exons	2697..3103, 3115..3495, 5110..5143		

Seq. No.	19064	Seq. ID	OJ990426_01.9924.C34
Gene No.	39925	Strand	-
Start	1	End	676
Name	OJ990426_01.9924.C34.o1.np	Method	AAT/NAP
Start	1	End	676
GI	6498441	Score	941
Exons	1..260, 354..676		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19064	Seq. ID	OJ990426_01.9924.C34
Gene No.	39925	Strand	-
Start	1	End	676

Name	OJ990426_01.9924.C34.o1.tw	Method	TBLASTX:Wheat
Start	2	End	596
GI	none	Score	65
Exons	2..115, 7..114, 145..231, 175..231, 280..450, 300..596, 307..564		

Seq. No.	19064	Seq. ID	OJ990426_01.9924.C34
Gene No.	39925	Strand	-
Start	1	End	676
Name	OJ990426_01.9924.C34.o1.gs	Method	GENSCAN
Start	117	End	584
GI	none	Score	.85
Exons	117..584		

Seq. No.	19065	Seq. ID	OJ990426_01.9924.C36
Gene No.	39926	Strand	+
Start	1	End	708
Name	OJ990426_01.9924.C36.o1.np	Method	AAT/NAP
Start	1	End	708
GI	5668638	Score	141
Exons	1..118, 367..492, 674..708		
GI Descrip.	(AL109619) putative protein [Arabidopsis thaliana]		

Seq. No.	19065	Seq. ID	OJ990426_01.9924.C36
Gene No.	39926	Strand	+
Start	1	End	708
Name	OJ990426_01.9924.C36.o1.tc	Method	TBLASTX:Cress
Start	364	End	492
GI	none	Score	204
Exons	364..492, 366..491		

Seq. No.	19065	Seq. ID	OJ990426_01.9924.C36
Gene No.	39926	Strand	+
Start	1	End	708
Name	OJ990426_01.9924.C36.o1.ts	Method	TBLASTX:Soybean
Start	364	End	492
GI	none	Score	206
Exons	364..492, 366..491		

Seq. No.	19065	Seq. ID	OJ990426_01.9924.C36
Gene No.	39926	Strand	+
Start	1	End	708
Name	OJ990426_01.9924.C36.o1.tm	Method	TBLASTX:Maize
Start	364	End	493
GI	none	Score	231
Exons	364..492, 366..491, 428..493		

Seq. No.	19066	Seq. ID	OJ990426_01.9924.C37
Gene No.	39927	Strand	+
Start	1	End	681
Name	OJ990426_01.9924.C37.o1.np	Method	AAT/NAP
Start	1	End	681
GI	6016588	Score	172
Exons	1..248, 371..420, 525..681		
GI Descrip.	MLO PROTEIN gi|1877221|emb|CAB06083| (Z83834) Mlo [Hordeum vulgare] gi|2894377|emb|CAA74909.1| (Y14573) Mlo protein [Hordeum vulgare]		

Seq. No.	19066	Seq. ID	OJ990426_01.9924.C37
Gene No.	39927	Strand	+
Start	1	End	681
Name	OJ990426_01.9924.C37.o1.gs	Method	GENSCAN
Start	160	End	420
GI	none	Score	.62
Exons	160..248, 371..420		

Seq. No.	19067	Seq. ID	OJ990426_01.9924.C39
Gene No.	39928	Strand	+
Start	358	End	480
Name	OJ990426_01.9924.C39.o1.gs	Method	GENSCAN
Start	358	End	480
GI	none	Score	.64
Exons	358..480		

Seq. No.	19067	Seq. ID	OJ990426_01.9924.C39
Gene No.	39929	Strand	-
Start	612	End	755
Name	OJ990426_01.9924.C39.o1.np	Method	AAT/NAP
Start	612	End	755
GI	5803259	Score	214
Exons	612..755		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	19068	Seq. ID	OJ990426_01.9924.C43
Gene No.	39930	Strand	+
Start	1	End	626
Name	OJ990426_01.9924.C43.o1.np	Method	AAT/NAP
Start	1	End	626
GI	6907089	Score	249
Exons	1..626		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19068	Seq. ID	OJ990426_01.9924.C43
Gene No.	39930	Strand	+
Start	1	End	626
Name	OJ990426_01.9924.C43.o1.gs	Method	GENSCAN
Start	119	End	473
GI	none	Score	.55
Exons	119..193, 305..473		

Seq. No.	19069	Seq. ID	OJ990426_01.9924.C44
Gene No.	39931	Strand	-
Start	268	End	702
Name	OJ990426_01.9924.C44.o1.gs	Method	GENSCAN
Start	268	End	702
GI	none	Score	.95
Exons	268..702		

Seq. No.	19070	Seq. ID	OJ990426_01.9924.C46
Gene No.	39932	Strand	-
Start	394	End	538
Name	OJ990426_01.9924.C46.o1.gs	Method	GENSCAN
Start	394	End	538
GI	none	Score	.44
Exons	394..538		

Seq. No.	19071	Seq. ID	OJ990426_01.9924.C47
Gene No.	39933	Strand	+
Start	232	End	333
Name	OJ990426_01.9924.C47.o1.gs	Method	GENSCAN
Start	232	End	333
GI	none	Score	.48
Exons	232..333		

Seq. No.	19071	Seq. ID	OJ990426_01.9924.C47
Gene No.	39934	Strand	+
Start	2254	End	4788
Name	OJ990426_01.9924.C47.o2.np	Method	AAT/NAP
Start	2254	End	4788
GI	6815109	Score	230
Exons	2254..2300, 2735..2802, 3638..4516, 4680..4788		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19071	Seq. ID	OJ990426_01.9924.C47
Gene No.	39935	Strand	-
Start	768	End	2829
Name	OJ990426_01.9924.C47.o1.np	Method	AAT/NAP
Start	768	End	2829
GI	6721561	Score	98
Exons	768..789, 2730..2829		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19071	Seq. ID	OJ990426_01.9924.C47
Gene No.	39935	Strand	-
Start	768	End	2829
Name	OJ990426_01.9924.C47.o2.gp	Method	AAT/GAP
Start	2133	End	2237
GI	uC-osflcyp088b12b1	Score	140
Exons	2133..2237		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19071	Seq. ID	OJ990426_01.9924.C47
Gene No.	39936	Strand	-
Start	3327	End	4715
Name	OJ990426_01.9924.C47.o2.gs	Method	GENSCAN
Start	3327	End	4715
GI	none	Score	.5
Exons	3327..3422, 3662..3826, 3965..4061, 4188..4371, 4598..4715		

Seq. No.	19072	Seq. ID	OJ990426_01.9924.C48
Gene No.	39937	Strand	-
Start	18	End	759
Name	OJ990426_01.9924.C48.o1.gs	Method	GENSCAN
Start	18	End	759
GI	none	Score	.55
Exons	18..141, 613..759		

Seq. No.	19073	Seq. ID	OJ990426_01.9924.C50
Gene No.	39938	Strand	-
Start	1	End	622
Name	OJ990426_01.9924.C50.o1.np	Method	AAT/NAP
Start	1	End	622
GI	6498441	Score	882
Exons	1..622		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19073	Seq. ID	OJ990426_01.9924.C50
Gene No.	39938	Strand	-
Start	1	End	622
Name	OJ990426_01.9924.C50.o1.tm	Method	TBLASTX:Maize
Start	74	End	298
GI	none	Score	58
Exons	74..298, 75..176		

Seq. No.	19073	Seq. ID	OJ990426_01.9924.C50
Gene No.	39938	Strand	-
Start	1	End	622
Name	OJ990426_01.9924.C50.o1.tw	Method	TBLASTX:Wheat
Start	76	End	322
GI	none	Score	84
Exons	76..195, 77..322, 78..182		

Seq. No.	19074	Seq. ID	OJ990426_01.9924.C51
Gene No.	39939	Strand	+
Start	111	End	873
Name	OJ990426_01.9924.C51.o1.gs	Method	GENSCAN
Start	111	End	854
GI	none	Score	.94
Exons	111..854		

Seq. No.	19074	Seq. ID	OJ990426_01.9924.C51
Gene No.	39939	Strand	+
Start	111	End	873
Name	OJ990426_01.9924.C51.o1.np	Method	AAT/NAP
Start	111	End	873
GI	6721562	Score	1127
Exons	111..873		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	19075	Seq. ID	OJ990426_01.9924.C52
Gene No.	39940	Strand	+
Start	1	End	576
Name	OJ990426_01.9924.C52.o1.np	Method	AAT/NAP
Start	1	End	573
GI	6498441	Score	687
Exons	1..198, 292..573		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	19075	Seq. ID	OJ990426_01.9924.C52
Gene No.	39940	Strand	+
Start	1	End	576
Name	OJ990426_01.9924.C52.o1.gs	Method	GENSCAN
Start	67	End	576
GI	none	Score	.72
Exons	67..576		

Seq. No.	19075	Seq. ID	OJ990426_01.9924.C52
Gene No.	39940	Strand	+
Start	1	End	576
Name	OJ990426_01.9924.C52.o1.tm	Method	TBLASTX:Maize
Start	433	End	576
GI	none	Score	184
Exons	433..576, 438..572		

Seq. No.	19076	Seq. ID	OJ990426_01.9924.C53
Gene No.	39941	Strand	+
Start	362	End	958
Name	OJ990426_01.9924.C53.o1.np	Method	AAT/NAP
Start	362	End	958
GI	6907089	Score	981
Exons	362..958		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19076	Seq. ID	OJ990426_01.9924.C53
Gene No.	39942	Strand	-
Start	317	End	910
Name	OJ990426_01.9924.C53.o1.gs	Method	GENSCAN
Start	317	End	910
GI	none	Score	.74
Exons	317..461, 631..910		

Seq. No.	19077	Seq. ID	OJ990426_01.9924.C54
Gene No.	39943	Strand	-
Start	208	End	378
Name	OJ990426_01.9924.C54.o1.gs	Method	GENSCAN
Start	208	End	378
GI	none	Score	.98
Exons	208..378		

Seq. No.	19077	Seq. ID	OJ990426_01.9924.C54
Gene No.	39944	Strand	-
Start	325	End	770
Name	OJ990426_01.9924.C54.o1.np	Method	AAT/NAP
Start	325	End	770
GI	5042454	Score	144
Exons	325..385, 688..770		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19078	Seq. ID	OJ990426_01.9924.C55
Gene No.	39945	Strand	+
Start	101	End	3294
Name	OJ990426_01.9924.C55.o1.np	Method	AAT/NAP
Start	101	End	3291

GI	6907089	Score	4075
Exons	101..1322, 1426..3291		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19078	Seq. ID	OJ990426_01.9924.C55
Gene No.	39945	Strand	+
Start	101	End	3294
Name	OJ990426_01.9924.C55.o1.gs	Method	GENSCAN
Start	191	End	3294
GI	none	Score	.63
Exons	191..866, 971..1126, 1154..1322, 1426..1579, 1707..2005, 2025..2832, 2902..3294		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o1.np	Method	AAT/NAP
Start	105	End	3094
GI	6498441	Score	4033
Exons	105..385, 479..1876, 2048..2771, 2946..3094		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o2.np	Method	AAT/NAP
Start	105	End	3219
GI	4115365	Score	857
Exons	105..853, 896..1747, 1983..2239, 2573..2889, 3094..3219		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o4.tw	Method	TBLASTX:Wheat
Start	114	End	715
GI	none	Score	151
Exons	114..239, 270..344, 432..710, 434..715		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o1.gs	Method	GENSCAN
Start	264	End	3145
GI	none	Score	.61
Exons	264..1346, 1449..2122, 2246..3145		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o2.tw	Method	TBLASTX:Wheat
Start	716	End	1097
GI	none	Score	238
Exons	716..1096, 747..1097		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o1.tm	Method	TBLASTX:Maize
Start	902	End	1234
GI	none	Score	82
Exons	902..1114, 911..1234, 924..1205		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o5.tw	Method	TBLASTX:Wheat
Start	1427	End	1739
GI	none	Score	68
Exons	1427..1687, 1428..1739		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o2.ts	Method	TBLASTX:Soybean
Start	1487	End	2053
GI	5666795	Score	68
Exons	1487..1687, 1742..1879, 1955..2053		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o3.tw	Method	TBLASTX:Wheat
Start	1742	End	2200
GI	none	Score	88
Exons	1742..1891, 1743..1880, 1925..2176, 1926..2111, 1946..2200		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o1.ts	Method	TBLASTX:Soybean
Start	2609	End	2980
GI	none	Score	90
Exons	2609..2980, 2820..2963		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o1.tw	Method	TBLASTX:Wheat
Start	2639	End	3059
GI	none	Score	294
Exons	2639..3058, 2664..3059		

Seq. No.	19079	Seq. ID	OJ990426_01.9924.C56
Gene No.	39946	Strand	-
Start	105	End	3219
Name	OJ990426_01.9924.C56.o2.tm	Method	TBLASTX:Maize
Start	2732	End	3116
GI	none	Score	236
Exons	2732..3115, 2751..3116		

Seq. No.	19080	Seq. ID	OJ990426_01.9924.C57
Gene No.	39947	Strand	-
Start	1	End	1427
Name	OJ990426_01.9924.C57.o1.np	Method	AAT/NAP
Start	1	End	1427
GI	6498441	Score	1498
Exons	1..375, 439..902, 1233..1427		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19080	Seq. ID	OJ990426_01.9924.C57
Gene No.	39947	Strand	-
Start	1	End	1427
Name	OJ990426_01.9924.C57.o1.tw	Method	TBLASTX:Wheat
Start	1	End	367
GI	none	Score	271
Exons	1..366, 2..367		

Seq. No.	19080	Seq. ID	OJ990426_01.9924.C57
Gene No.	39947	Strand	-
Start	1	End	1427
Name	OJ990426_01.9924.C57.o1.tm	Method	TBLASTX:Maize
Start	4	End	196
GI	none	Score	135
Exons	4..195, 5..196		

Seq. No.	19080	Seq. ID	OJ990426_01.9924.C57
Gene No.	39947	Strand	-
Start	1	End	1427
Name	OJ990426_01.9924.C57.o2.tw	Method	TBLASTX:Wheat
Start	532	End	1018
GI	none	Score	160
Exons	532..1017, 563..823, 845..1018		

Seq. No.	19081	Seq. ID	OJ990426_01.9924.C59
Gene No.	39948	Strand	-
Start	76	End	140
Name	OJ990426_01.9924.C59.o1.gs	Method	GENSCAN
Start	76	End	140
GI	none	Score	.73
Exons	76..140		

Seq. No.	19082	Seq. ID	OJ990426_01.9924.C60
Gene No.	39949	Strand	+
Start	87	End	566
Name	OJ990426_01.9924.C60.o1.gs	Method	GENSCAN
Start	87	End	566
GI	none	Score	.86
Exons	87..566		

Seq. No.	19082	Seq. ID	OJ990426_01.9924.C60
Gene No.	39950	Strand	-
Start	1	End	838
Name	OJ990426_01.9924.C60.o1.np	Method	AAT/NAP
Start	1	End	838

GI	6016586	Score	412
Exons	1..150, 273..361, 471..545, 662..838		
GI Descrip.	MLO PROTEIN HOMOLOG 1 gi|2765819|emb|CAB08606| (Z95353) OsMlo-h1 [Oryza sativa]		

Seq. No.	19082	Seq. ID	OJ990426_01.9924.C60
Gene No.	39950	Strand	-
Start	1	End	838
Name	OJ990426_01.9924.C60.o1.gp	Method	AAT/GAP
Start	101	End	360
GI	17476_1.R1084	Score	189
Exons	101..150, 273..360		
GI Descrip.	'6063540/dbj|BAA85400.1| 1.0e-141 (AP000615) similar to OsMlo-h1. (Z95353) [Oryza sativa]'		

Seq. No.	19083	Seq. ID	OJ990426_01.9924.C61
Gene No.	39951	Strand	-
Start	1	End	540
Name	OJ990426_01.9924.C61.o1.np	Method	AAT/NAP
Start	1	End	269
GI	5042454	Score	109
Exons	1..269		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19083	Seq. ID	OJ990426_01.9924.C61
Gene No.	39951	Strand	-
Start	1	End	540
Name	OJ990426_01.9924.C61.o1.gs	Method	GENSCAN
Start	78	End	540
GI	none	Score	.87
Exons	78..166, 242..355, 471..540		

Seq. No.	19084	Seq. ID	OJ990426_03.9921.C1
Gene No.	39952	Strand	+
Start	1	End	679
Name	OJ990426_03.9921.C1.o1.np	Method	AAT/NAP
Start	1	End	679
GI	1706956	Score	795
Exons	1..388, 481..679		
GI Descrip.	(U58283) cellulose synthase [Gossypium hirsutum]		

Seq. No.	19084	Seq. ID	OJ990426_03.9921.C1
Gene No.	39952	Strand	+
Start	1	End	679
Name	OJ990426_03.9921.C1.o1.tm	Method	TBLASTX:Maize
Start	15	End	618
GI	none	Score	167
Exons	15..278, 30..368, 32..388, 34..387, 34..390, 35..418, 479..589, 480..617, 481..618		

Seq. No.	19084	Seq. ID	OJ990426_03.9921.C1
Gene No.	39952	Strand	+
Start	1	End	679
Name	OJ990426_03.9921.C1.o1.ts	Method	TBLASTX:Soybean
Start	30	End	415
GI	none	Score	111
Exons	30..380, 32..388, 34..159, 34..393, 35..415		

Seq. No.	19084	Seq. ID	OJ990426_03.9921.C1
Gene No.	39952	Strand	+
Start	1	End	679
Name	OJ990426_03.9921.C1.o1.tc	Method	TBLASTX:Cress
Start	32	End	618
GI	none	Score	101
Exons	32..250, 33..212, 34..255, 35..256, 256..384, 257..418, 475..615, 478..618, 486..617		

Seq. No.	19084	Seq. ID	OJ990426_03.9921.C1
Gene No.	39952	Strand	+
Start	1	End	679
Name	OJ990426_03.9921.C1.o1.gp	Method	AAT/GAP
Start	74	End	619
GI	54090_1.R1084	Score	850
Exons	74..388, 481..619		
GI Descrip.	'1706956 1.0e-115 (U58283) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	19084	Seq. ID	OJ990426_03.9921.C1
Gene No.	39952	Strand	+
Start	1	End	679
Name	OJ990426_03.9921.C1.o1.gs	Method	GENSCAN
Start	182	End	603
GI	none	Score	.56
Exons	182..388, 481..603		

Seq. No.	19084	Seq. ID	OJ990426_03.9921.C1
Gene No.	39952	Strand	+
Start	1	End	679
Name	OJ990426_03.9921.C1.o1.tw	Method	TBLASTX:Wheat
Start	223	End	618
GI	none	Score	71
Exons	223..261, 227..256, 253..429, 254..418, 478..618, 486..614, 502..618		

Seq. No.	19084	Seq. ID	OJ990426_03.9921.C1
Gene No.	39952	Strand	+
Start	1	End	679
Name	OJ990426_03.9921.C1.o2.ts	Method	TBLASTX:Soybean
Start	478	End	620
GI	none	Score	210
Exons	478..618, 486..620, 486..617		

Seq. No.	19085	Seq. ID	OJ990426_03.9921.C2
Gene No.	39953	Strand	-
Start	162	End	1343
Name	OJ990426_03.9921.C2.o1.gs	Method	GENSCAN
Start	162	End	1343
GI	none	Score	.6
Exons	162..308, 557..622, 1068..1156, 1174..1343		

Seq. No.	19086	Seq. ID	OJ990426_03.9921.C3
Gene No.	39954	Strand	-
Start	1	End	366
Name	OJ990426_03.9921.C3.o1.gp	Method	AAT/GAP

Start	1	End	366
GI	92055_1.R1084	Score	501
Exons	1..366		
GI Descrip.	'5802576/gb|AAD51718.1| 5.0e-50 (AF174294) (+)-delta-cadinene sythase [Gossypium arboreum]'		

Seq. No.	19086	Seq. ID	OJ990426_03.9921.C3
Gene No.	39954	Strand	-
Start	1	End	366
Name	OJ990426_03.9921.C3.o1.np	Method	AAT/NAP
Start	1	End	329
GI	3287835	Score	97
Exons	1..329		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE ISOZYME A (D-CADINENE SYNTHASE) gi|1002523 (U27535) (+)-delta-cadinene synthase isozyme A [Gossypium arboreum] gi|1217956|emb|CAA65289| (X96429) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	19086	Seq. ID	OJ990426_03.9921.C3
Gene No.	39954	Strand	-
Start	1	End	366
Name	OJ990426_03.9921.C3.o1.gs	Method	GENSCAN
Start	95	End	314
GI	none	Score	.76
Exons	95..314		

Seq. No.	19087	Seq. ID	OJ990426_03.9921.C4
Gene No.	39955	Strand	-
Start	311	End	384
Name	OJ990426_03.9921.C4.o1.gs	Method	GENSCAN
Start	311	End	384
GI	none	Score	.95
Exons	311..384		

Seq. No.	19088	Seq. ID	OJ990426_03.9921.C6
Gene No.	39956	Strand	+
Start	1	End	617
Name	OJ990426_03.9921.C6.o1.np	Method	AAT/NAP
Start	1	End	617
GI	6498441	Score	676
Exons	1..218, 389..617		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19088	Seq. ID	OJ990426_03.9921.C6
Gene No.	39956	Strand	+
Start	1	End	617
Name	OJ990426_03.9921.C6.o1.tw	Method	TBLASTX:Wheat
Start	66	End	523
GI	none	Score	236
Exons	66..320, 90..341, 155..331, 315..371, 374..523, 383..520, 385..522		

Seq. No.	19089	Seq. ID	OJ990426_03.9921.C7
Gene No.	39957	Strand	+
Start	1	End	191

Name	OJ990426_03.9921.C7.o1.np	Method	AAT/NAP
Start	1	End	191
GI	4680186	Score	295
Exons	1..191		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19090	Seq. ID	OJ990426_03.9921.C8
Gene No.	39958	Strand	+
Start	737	End	2588
Name	OJ990426_03.9921.C8.o1.gp	Method	AAT/GAP
Start	737	End	1118
GI	uC-osflcyp033a04b1	Score	659
Exons	737..1118		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19090	Seq. ID	OJ990426_03.9921.C8
Gene No.	39958	Strand	+
Start	737	End	2588
Name	OJ990426_03.9921.C8.o1.gs	Method	GENSCAN
Start	915	End	2588
GI	none	Score	.55
Exons	915..986, 1866..2171, 2307..2588		

Seq. No.	19090	Seq. ID	OJ990426_03.9921.C8
Gene No.	39959	Strand	-
Start	670	End	1758
Name	OJ990426_03.9921.C8.o1.np	Method	AAT/NAP
Start	670	End	1758
GI	4680186	Score	379
Exons	670..870, 1709..1758		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19091	Seq. ID	OJ990426_03.9921.C9
Gene No.	39960	Strand	+
Start	297	End	1364
Name	OJ990426_03.9921.C9.o1.gs	Method	GENSCAN
Start	297	End	1364
GI	none	Score	.94
Exons	297..1364		

Seq. No.	19091	Seq. ID	OJ990426_03.9921.C9
Gene No.	39960	Strand	+
Start	297	End	1364
Name	OJ990426_03.9921.C9.o1.ts	Method	TBLASTX:Soybean
Start	831	End	1169
GI	none	Score	188
Exons	831..1169		

Seq. No.	19092	Seq. ID	OJ990426_03.9921.C10
Gene No.	39961	Strand	+
Start	1	End	1216
Name	OJ990426_03.9921.C10.o1.np	Method	AAT/NAP
Start	1	End	1216
GI	4836930	Score	334
Exons	1..28, 227..366, 562..1216		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19092	Seq. ID	OJ990426_03.9921.C10
Gene No.	39961	Strand	+
Start	1	End	1216
Name	OJ990426_03.9921.C10.o1.tm	Method	TBLASTX:Maize
Start	159	End	450
GI	none	Score	301
Exons	159..449, 163..450		

Seq. No.	19092	Seq. ID	OJ990426_03.9921.C10
Gene No.	39961	Strand	+
Start	1	End	1216
Name	OJ990426_03.9921.C10.o1.tw	Method	TBLASTX:Wheat
Start	159	End	519
GI	none	Score	178
Exons	159..401, 184..423, 418..519		

Seq. No.	19092	Seq. ID	OJ990426_03.9921.C10
Gene No.	39961	Strand	+
Start	1	End	1216
Name	OJ990426_03.9921.C10.o2.ts	Method	TBLASTX:Soybean
Start	172	End	606
GI	none	Score	193
Exons	172..417, 174..311, 418..606, 462..593		

Seq. No.	19092	Seq. ID	OJ990426_03.9921.C10
Gene No.	39961	Strand	+
Start	1	End	1216
Name	OJ990426_03.9921.C10.o1.ts	Method	TBLASTX:Soybean
Start	757	End	1169
GI	none	Score	146
Exons	757..894, 759..890, 915..1169, 916..1167		

Seq. No.	19092	Seq. ID	OJ990426_03.9921.C10
Gene No.	39961	Strand	+
Start	1	End	1216
Name	OJ990426_03.9921.C10.o2.tw	Method	TBLASTX:Wheat
Start	805	End	1200
GI	none	Score	76
Exons	805..891, 931..1200, 942..1007, 1029..1178		

Seq. No.	19093	Seq. ID	OJ990426_03.9921.C11
Gene No.	39962	Strand	+
Start	1	End	1252
Name	OJ990426_03.9921.C11.o1.np	Method	AAT/NAP
Start	1	End	1231
GI	4544372	Score	597
Exons	1..1231		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19093	Seq. ID	OJ990426_03.9921.C11
Gene No.	39962	Strand	+
Start	1	End	1252
Name	OJ990426_03.9921.C11.o1.tm	Method	TBLASTX:Maize
Start	17	End	394
GI	none	Score	214

Exons	17..394		
Seq. No.	19093	Seq. ID	OJ990426_03.9921.C11
Gene No.	39962	Strand	+
Start	1	End	1252
Name	OJ990426_03.9921.C11.o1.gs	Method	GENSCAN
Start	50	End	1252
GI	none	Score	.91
Exons	50..392, 522..1252		
Seq. No.	19093	Seq. ID	OJ990426_03.9921.C11
Gene No.	39962	Strand	+
Start	1	End	1252
Name	OJ990426_03.9921.C11.o2.tw	Method	TBLASTX:Wheat
Start	92	End	481
GI	none	Score	162
Exons	92..394, 425..481		
Seq. No.	19093	Seq. ID	OJ990426_03.9921.C11
Gene No.	39962	Strand	+
Start	1	End	1252
Name	OJ990426_03.9921.C11.o1.ts	Method	TBLASTX:Soybean
Start	248	End	649
GI	none	Score	243
Exons	248..649, 355..471		
Seq. No.	19093	Seq. ID	OJ990426_03.9921.C11
Gene No.	39962	Strand	+
Start	1	End	1252
Name	OJ990426_03.9921.C11.o1.tw	Method	TBLASTX:Wheat
Start	809	End	1216
GI	none	Score	218
Exons	809..1216, 817..1161		
Seq. No.	19093	Seq. ID	OJ990426_03.9921.C11
Gene No.	39962	Strand	+
Start	1	End	1252
Name	OJ990426_03.9921.C11.o2.ts	Method	TBLASTX:Soybean
Start	992	End	1242
GI	none	Score	242
Exons	992..1237, 994..1131, 1204..1242		
Seq. No.	19094	Seq. ID	OJ990426_03.9921.C12
Gene No.	39963	Strand	-
Start	119	End	3065
Name	OJ990426_03.9921.C12.o1.gs	Method	GENSCAN
Start	119	End	3065
GI	none	Score	.89
Exons	119..802, 881..964, 1195..1635, 1919..3065		
Seq. No.	19095	Seq. ID	OJ990426_03.9921.C13
Gene No.	39964	Strand	-
Start	1	End	1398
Name	OJ990426_03.9921.C13.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	5091523	Score	199
Exons	1..193, 1368..1398		

GI Descrip. (AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]

Seq. No.	19096	Seq. ID	OJ990426_03.9921.C14
Gene No.	39965	Strand	-
Start	3167	End	3562
Name	OJ990426_03.9921.C14.o1.ts	Method	TBLASTX:Soybean
Start	932	End	2914
GI	none	Score	104
Exons	932..1024, 2390..2749, 2406..2867, 2407..2907, 2408..2914, 2813..2914		

Seq. No.	19096	Seq. ID	OJ990426_03.9921.C14
Gene No.	39965	Strand	-
Start	3167	End	3562
Name	OJ990426_03.9921.C14.o1.tc	Method	TBLASTX:Cress
Start	2367	End	2650
GI	none	Score	359
Exons	2367..2603, 2404..2649, 2405..2650		

Seq. No.	19096	Seq. ID	OJ990426_03.9921.C14
Gene No.	39965	Strand	-
Start	3167	End	3562
Name	OJ990426_03.9921.C14.o1.tm	Method	TBLASTX:Maize
Start	2555	End	2821
GI	none	Score	302
Exons	2555..2821, 2560..2820		

Seq. No.	19096	Seq. ID	OJ990426_03.9921.C14
Gene No.	39965	Strand	-
Start	3167	End	3562
Name	OJ990426_03.9921.C14.o1.gp	Method	AAT/GAP
Start	3167	End	3562
GI	none	Score	764
Exons	3167..3562		

Seq. No.	19097	Seq. ID	OJ990426_03.9921.C15
Gene No.	39966	Strand	-
Start	44	End	252
Name	OJ990426_03.9921.C15.o1.gs	Method	GENSCAN
Start	44	End	252
GI	none	Score	.86
Exons	44..252		

Seq. No.	19098	Seq. ID	OJ990426_03.9921.C16
Gene No.	39967	Strand	+
Start	255	End	725
Name	OJ990426_03.9921.C16.o1.gs	Method	GENSCAN
Start	255	End	725
GI	none	Score	.46
Exons	255..321, 466..725		

Seq. No.	19099	Seq. ID	OJ990426_03.9921.C17
Gene No.	39968	Strand	+
Start	1	End	845
Name	OJ990426_03.9921.C17.o1.np	Method	AAT/NAP
Start	1	End	845

GI	6498441	Score	755
Exons	1..172, 365..845		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19099	Seq. ID	OJ990426_03.9921.C17
Gene No.	39968	Strand	+
Start	1	End	845
Name	OJ990426_03.9921.C17.o1.gs	Method	GENSCAN
Start	178	End	733
GI	none	Score	.69
Exons	178..733		

Seq. No.	19099	Seq. ID	OJ990426_03.9921.C17
Gene No.	39968	Strand	+
Start	1	End	845
Name	OJ990426_03.9921.C17.o1.tw	Method	TBLASTX:Wheat
Start	514	End	782
GI	none	Score	257
Exons	514..771, 549..782		

Seq. No.	19100	Seq. ID	OJ990426_03.9921.C18
Gene No.	39969	Strand	+
Start	1	End	1112
Name	OJ990426_03.9921.C18.o1.np	Method	AAT/NAP
Start	1	End	1109
GI	6498441	Score	1580
Exons	1..734, 828..1109		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19100	Seq. ID	OJ990426_03.9921.C18
Gene No.	39969	Strand	+
Start	1	End	1112
Name	OJ990426_03.9921.C18.o1.gs	Method	GENSCAN
Start	153	End	1112
GI	none	Score	.48
Exons	153..1112		

Seq. No.	19100	Seq. ID	OJ990426_03.9921.C18
Gene No.	39970	Strand	+
Start	1271	End	1733
Name	OJ990426_03.9921.C18.o1.gp	Method	AAT/GAP
Start	1271	End	1733
GI	2428323	Score	843
Exons	1271..1733		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	19100	Seq. ID	OJ990426_03.9921.C18
Gene No.	39971	Strand	-
Start	1741	End	5813
Name	OJ990426_03.9921.C18.o1.tw	Method	TBLASTX:Wheat
Start	115	End	497
GI	none	Score	149

Exons	115..171, 116..271, 242..466, 267..497		
Seq. No.	19100	Seq. ID	OJ990426_03.9921.C18
Gene No.	39971	Strand	-
Start	1741	End	5813
Name	OJ990426_03.9921.C18.o1.tm	Method	TBLASTX:Maize
Start	137	End	515
GI	none	Score	85
Exons	137..256, 258..407, 402..515		
Seq. No.	19100	Seq. ID	OJ990426_03.9921.C18
Gene No.	39971	Strand	-
Start	1741	End	5813
Name	OJ990426_03.9921.C18.o2.tw	Method	TBLASTX:Wheat
Start	498	End	1100
GI	none	Score	257
Exons	498..794, 502..573, 503..601, 638..781, 974..1096, 975..1100		
Seq. No.	19100	Seq. ID	OJ990426_03.9921.C18
Gene No.	39971	Strand	-
Start	1741	End	5813
Name	OJ990426_03.9921.C18.o2.gs	Method	GENSCAN
Start	1741	End	5813
GI	none	Score	.91
Exons	1741..2076, 2203..2703, 2766..3642, 3734..4799, 4866..5077, 5492..5553, 5685..5813		
Seq. No.	19100	Seq. ID	OJ990426_03.9921.C18
Gene No.	39971	Strand	-
Start	1741	End	5813
Name	OJ990426_03.9921.C18.o2.np	Method	AAT/NAP
Start	1744	End	4995
GI	5803259	Score	5038
Exons	1744..3642, 3734..4995		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	19101	Seq. ID	OJ990426_03.9921.C19
Gene No.	39972	Strand	+
Start	1	End	388
Name	OJ990426_03.9921.C19.o1.np	Method	AAT/NAP
Start	1	End	388
GI	5042454	Score	89
Exons	1..24, 335..388		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	19101	Seq. ID	OJ990426_03.9921.C19
Gene No.	39973	Strand	+
Start	335	End	1365
Name	OJ990426_03.9921.C19.o1.gs	Method	GENSCAN
Start	335	End	1365
GI	none	Score	.52
Exons	335..505, 1309..1365		
Seq. No.	19101	Seq. ID	OJ990426_03.9921.C19
Gene No.	39974	Strand	-
Start	1913	End	2467
Name	OJ990426_03.9921.C19.o2.gs	Method	GENSCAN

Start	1913	End	2467
GI	none	Score	.7
Exons	1913..2000, 2283..2467		

Seq. No.	19102	Seq. ID	OJ990426_03.9921.C20
Gene No.	39975	Strand	+
Start	1	End	3913
Name	OJ990426_03.9921.C20.o1.gp	Method	AAT/GAP
Start	1	End	1145
GI	uC-osroM202004g12b1	Score	781
Exons	1..312, 1028..1145		
GI Descrip.	'4008441/emb|CAA22448.1| 5.0e-20 (AL034488) predicted using Genefinder; cDNA EST yk433c6.3 comes from this gene; cDNA EST EMBL:D72601 comes from this gene; cDNA EST EMBL:D75524 comes from this gene; cDNA EST yk433c6.5 comes from this gene [Caenorhabditis ele'		

Seq. No.	19102	Seq. ID	OJ990426_03.9921.C20
Gene No.	39975	Strand	+
Start	1	End	3913
Name	OJ990426_03.9921.C20.o1.gs	Method	GENSCAN
Start	200	End	3913
GI	none	Score	.86
Exons	200..417, 1028..1155, 1761..1864, 3503..3590, 3699..3913		

Seq. No.	19102	Seq. ID	OJ990426_03.9921.C20
Gene No.	39975	Strand	+
Start	1	End	3913
Name	OJ990426_03.9921.C20.o1.np	Method	AAT/NAP
Start	200	End	3895
GI	4008441	Score	366
Exons	200..312, 1028..1155, 1761..1864, 3503..3590, 3699..3895		
GI Descrip.	(AL034488) predicted using Genefinder; cDNA EST yk433c6.3 comes from this gene; cDNA EST EMBL:D72601 comes from this gene; cDNA EST EMBL:D75524 comes from this gene; cDNA EST yk433c6.5 comes from this gene [Caenorhabditis ele...		

Seq. No.	19102	Seq. ID	OJ990426_03.9921.C20
Gene No.	39976	Strand	-
Start	2642	End	3946
Name	OJ990426_03.9921.C20.o1.tc	Method	TBLASTX:Cress
Start	179	End	3946
GI	none	Score	191
Exons	179..316, 193..312, 993..1154, 1022..1159, 1023..1157, 1750..1866, 1759..1866, 1760..1867, 3502..3585, 3503..3598, 3803..3946		

Seq. No.	19102	Seq. ID	OJ990426_03.9921.C20
Gene No.	39976	Strand	-
Start	2642	End	3946
Name	OJ990426_03.9921.C20.o2.gp	Method	AAT/GAP
Start	2642	End	3138
GI	uC-osroM202004g12a2	Score	977
Exons	2642..3138		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o1.gs	Method	GENSCAN
Start	187	End	4994
GI	none	Score	.43
Exons	187..273, 511..717, 774..3265, 3304..3969, 3986..4636, 4687..4994		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o4.tw	Method	TBLASTX:Wheat
Start	1286	End	1838
GI	none	Score	34
Exons	1286..1321, 1446..1493, 1500..1598, 1505..1597, 1565..1804, 1581..1838		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o1.np	Method	AAT/NAP
Start	1297	End	5032
GI	6498441	Score	4159
Exons	1297..2361, 2692..3155, 3182..3555, 3739..3873, 4049..4556, 4793..5032		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o3.tm	Method	TBLASTX:Maize
Start	1451	End	1736
GI	none	Score	202
Exons	1451..1735, 1488..1736		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o2.tw	Method	TBLASTX:Wheat
Start	2576	End	3065
GI	none	Score	405
Exons	2576..2749, 2577..3065, 2771..3064		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o1.tw	Method	TBLASTX:Wheat
Start	3189	End	3652
GI	none	Score	211
Exons	3189..3632, 3190..3645, 3191..3652, 3191..3646		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032

Name	OJ990426_03.9921.C21.o2.ts	Method	TBLASTX:Soybean
Start	3230	End	3595
GI	none	Score	117
Exons	3230..3454, 3461..3595		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o1.tm	Method	TBLASTX:Maize
Start	3320	End	3676
GI	none	Score	383
Exons	3320..3676, 3355..3666, 3371..3676		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o3.tw	Method	TBLASTX:Wheat
Start	3653	End	3955
GI	none	Score	329
Exons	3653..3955, 3661..3951		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o2.tm	Method	TBLASTX:Maize
Start	3703	End	4088
GI	none	Score	257
Exons	3703..3981, 3704..3982, 3894..4088, 3941..4069		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o1.ts	Method	TBLASTX:Soybean
Start	3740	End	3958
GI	none	Score	195
Exons	3740..3958, 3757..3951		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o6.tw	Method	TBLASTX:Wheat
Start	3957	End	4264
GI	none	Score	238
Exons	3957..4262, 4106..4264		

Seq. No.	19103	Seq. ID	OJ990426_03.9921.C21
Gene No.	39977	Strand	+
Start	187	End	5032
Name	OJ990426_03.9921.C21.o5.tw	Method	TBLASTX:Wheat
Start	4784	End	5032
GI	none	Score	256
Exons	4784..5032, 4810..5031		

Seq. No.	19104	Seq. ID	OJ990426_03.9921.C22
Gene No.	39978	Strand	+
Start	1	End	1199
Name	OJ990426_03.9921.C22.o1.np	Method	AAT/NAP

Start	1	End	1199
GI	6498441	Score	1807
Exons	1..824, 918..1199		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19104	Seq. ID	OJ990426_03.9921.C22
Gene No.	39978	Strand	+
Start	1	End	1199
Name	OJ990426_03.9921.C22.o1.gs	Method	GENSCAN
Start	70	End	755
GI	none	Score	.87
Exons	70..755		

Seq. No.	19104	Seq. ID	OJ990426_03.9921.C22
Gene No.	39979	Strand	-
Start	1879	End	2510
Name	OJ990426_03.9921.C22.o1.tm	Method	TBLASTX:Maize
Start	69	End	412
GI	none	Score	356
Exons	69..392, 98..379, 296..412		

Seq. No.	19104	Seq. ID	OJ990426_03.9921.C22
Gene No.	39979	Strand	-
Start	1879	End	2510
Name	OJ990426_03.9921.C22.o1.tw	Method	TBLASTX:Wheat
Start	206	End	587
GI	none	Score	363
Exons	206..283, 207..587, 207..548, 308..556		

Seq. No.	19104	Seq. ID	OJ990426_03.9921.C22
Gene No.	39979	Strand	-
Start	1879	End	2510
Name	OJ990426_03.9921.C22.o2.tw	Method	TBLASTX:Wheat
Start	588	End	1190
GI	none	Score	250
Exons	588..878, 593..685, 728..871, 1064..1186, 1065..1190		

Seq. No.	19104	Seq. ID	OJ990426_03.9921.C22
Gene No.	39979	Strand	-
Start	1879	End	2510
Name	OJ990426_03.9921.C22.o2.np	Method	AAT/NAP
Start	1827	End	2510
GI	6539586	Score	950
Exons	1827..2510		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	19104	Seq. ID	OJ990426_03.9921.C22
Gene No.	39979	Strand	-
Start	1879	End	2510
Name	OJ990426_03.9921.C22.o3.gs	Method	GENSCAN
Start	1879	End	2274
GI	none	Score	.53
Exons	1879..2274		

Seq. No.	19105	Seq. ID	OJ990426_03.9921.C23

Gene No.	39980	Strand	-
Start	1	End	1408
Name	OJ990426_03.9921.C23.o1.np	Method	AAT/NAP
Start	1	End	1408
GI	6907089	Score	2034
Exons	1..1408		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19106	Seq. ID	OJ990426_03.9921.C24
Gene No.	39981	Strand	-
Start	1	End	797
Name	OJ990426_03.9921.C24.o1.np	Method	AAT/NAP
Start	1	End	797
GI	5803259	Score	685
Exons	1..588, 692..797		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	19106	Seq. ID	OJ990426_03.9921.C24
Gene No.	39981	Strand	-
Start	1	End	797
Name	OJ990426_03.9921.C24.o1.gs	Method	GENSCAN
Start	27	End	765
GI	none	Score	.82
Exons	27..588, 692..765		

Seq. No.	19107	Seq. ID	OJ990426_03.9921.C28
Gene No.	39982	Strand	+
Start	1	End	3062
Name	OJ990426_03.9921.C28.o1.np	Method	AAT/NAP
Start	1	End	3062
GI	5852180	Score	358
Exons	1..21, 803..927, 979..1395, 2999..3062		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19107	Seq. ID	OJ990426_03.9921.C28
Gene No.	39983	Strand	-
Start	1136	End	2743
Name	OJ990426_03.9921.C28.o1.gs	Method	GENSCAN
Start	1136	End	2743
GI	none	Score	.99
Exons	1136..1316, 2710..2743		

Seq. No.	19108	Seq. ID	OJ990426_03.9921.C30
Gene No.	39984	Strand	+
Start	1	End	775
Name	OJ990426_03.9921.C30.o1.np	Method	AAT/NAP
Start	1	End	775
GI	6498441	Score	897
Exons	1..230, 294..667, 757..775		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19108	Seq. ID	OJ990426_03.9921.C30
Gene No.	39984	Strand	+
Start	1	End	775
Name	OJ990426_03.9921.C30.o1.gs	Method	GENSCAN

Start	6	End	667
GI	none	Score	.62
Exons	6..230, 294..667		

Seq. No.	19108	Seq. ID	OJ990426_03.9921.C30
Gene No.	39984	Strand	+
Start	1	End	775
Name	OJ990426_03.9921.C30.o2.tm	Method	TBLASTX:Maize
Start	260	End	428
GI	none	Score	174
Exons	260..427, 264..428, 267..428		

Seq. No.	19108	Seq. ID	OJ990426_03.9921.C30
Gene No.	39984	Strand	+
Start	1	End	775
Name	OJ990426_03.9921.C30.o1.tw	Method	TBLASTX:Wheat
Start	302	End	757
GI	none	Score	498
Exons	302..676, 303..686, 664..753,	674..757,	683..745

Seq. No.	19108	Seq. ID	OJ990426_03.9921.C30
Gene No.	39984	Strand	+
Start	1	End	775
Name	OJ990426_03.9921.C30.o1.tm	Method	TBLASTX:Maize
Start	432	End	775
GI	none	Score	274
Exons	432..680, 467..673, 686..775,	697..774	

Seq. No.	19109	Seq. ID	OJ990426_03.9921.C31
Gene No.	39985	Strand	-
Start	726	End	996
Name	OJ990426_03.9921.C31.o1.gs	Method	GENSCAN
Start	726	End	996
GI	none	Score	.58
Exons	726..856, 942..996		

Seq. No.	19110	Seq. ID	OJ990426_03.9921.C32
Gene No.	39986	Strand	+
Start	1	End	1347
Name	OJ990426_03.9921.C32.o1.np	Method	AAT/NAP
Start	1	End	1347
GI	6069646	Score	276
Exons	1..55, 636..1347		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	19110	Seq. ID	OJ990426_03.9921.C32
Gene No.	39986	Strand	+
Start	1	End	1347
Name	OJ990426_03.9921.C32.o1.tm	Method	TBLASTX:Maize
Start	766	End	1329
GI	none	Score	212
Exons	766..1068, 873..974, 1129..1329		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39987	Strand	+
Start	14	End	5246
Name	OJ990426_03.9921.C33.o1.np	Method	AAT/NAP
Start	14	End	5243
GI	1706956	Score	3715
Exons	14..164, 430..559, 667..814, 1549..1823, 1921..2255, 2344..2481, 3068..3193, 3305..3517, 3597..3843, 3926..4125, 4217..4570, 4663..5243		
GI Descrip.	(U58283) cellulose synthase [Gossypium hirsutum]		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39987	Strand	+
Start	14	End	5246
Name	OJ990426_03.9921.C33.o1.gs	Method	GENSCAN
Start	17	End	5246
GI	none	Score	.93
Exons	17..179, 280..389, 430..559, 667..814, 1546..1812, 1913..2255, 2344..2481, 3068..3193, 3305..3517, 3753..3843, 3926..4125, 4217..4570, 4663..4785, 4827..5246		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39987	Strand	+
Start	14	End	5246
Name	OJ990426_03.9921.C33.o1.gp	Method	AAT/GAP
Start	3272	End	3969
GI	32423_1.R1084	Score	938
Exons	3272..3517, 3597..3843, 3926..3969		
GI Descrip.	'1706956 9.0e-66 (U58283) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39987	Strand	+
Start	14	End	5246
Name	OJ990426_03.9921.C33.o2.gp	Method	AAT/GAP
Start	4256	End	5093
GI	54090_1.R1084	Score	1420
Exons	4256..4570, 4663..5093		
GI Descrip.	'1706956 1.0e-115 (U58283) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o1.tc	Method	TBLASTX:Cress
Start	1553	End	5194
GI	none	Score	325
Exons	1553..1813, 1601..1807, 1666..1821, 1919..2260, 1920..2285, 2338..2484, 2338..2481, 2343..2483, 3065..3205, 3067..3195, 3106..3207, 3301..3492, 3305..3529, 3317..3517, 3397..3528, 3579..3692, 3599..3658, 3940..4128, 3963..4124, 4018..4128, 4214..4432, 4215..4394, 4216..4437, 4217..4438, 4438..4566, 4439..4600, 4657..4785, 4660..4806, 4668..4805, 4806..4892, 4812..4871, 4820..4909, 4886..5194, 4887..5192		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-

Start	6727	End	10087
Name	OJ990426_03.9921.C33.o2.tm	Method	TBLASTX:Maize
Start	1562	End	2484
GI	none	Score	310
Exons	1562..1813, 1631..1813, 1632..1826, 1653..1817, 1666..1821, 1914..2153, 1919..2260, 1920..2255, 2338..2484, 2338..2481, 2343..2483		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o2.ts	Method	TBLASTX:Soybean
Start	1711	End	5228
GI	none	Score	156
Exons	1711..1797, 1712..1822, 1715..1813, 1919..2134, 1920..2135, 1950..2135, 4662..4805, 4663..4806, 4803..5132, 4806..5228, 4820..5200		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o3.tw	Method	TBLASTX:Wheat
Start	2106	End	3112
GI	none	Score	249
Exons	2106..2285, 2121..2174, 2123..2260, 2338..2484, 2343..2483, 3065..3112		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o1.ts	Method	TBLASTX:Soybean
Start	2136	End	4597
GI	none	Score	205
Exons	2136..2285, 2138..2260, 2338..2484, 2338..2481, 2343..2483, 3036..3167, 3064..3171, 3065..3205, 3067..3195, 3282..3494, 3301..3495, 3305..3529, 3397..3525, 3579..3710, 3590..3667, 3591..3689, 3598..3714, 3734..3844, 3780..3845, 3783..3848, 3904..4128, 3917..4123, 3963..4124, 4212..4562, 4214..4570, 4216..4341, 4216..4575, 4217..4597		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o3.tm	Method	TBLASTX:Maize
Start	3065	End	3638
GI	none	Score	206
Exons	3065..3205, 3065..3193, 3067..3195, 3304..3339, 3305..3529, 3383..3517, 3397..3525, 3597..3638, 3599..3631		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o2.tw	Method	TBLASTX:Wheat
Start	3113	End	3650
GI	none	Score	106
Exons	3113..3199, 3305..3415, 3324..3455, 3327..3425, 3355..3456, 3410..3517, 3424..3525, 3425..3529, 3579..3650, 3590..3649		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o1.tm	Method	TBLASTX:Maize
Start	3639	End	5470
GI	none	Score	128
Exons	3639..3710, 3640..3732, 3641..3667, 3707..3844, 3710..3844, 3780..3845, 3904..4128, 3920..4123, 3963..4124, 4212..4550, 4214..4570, 4215..4460, 4216..4569, 4216..4572, 4217..4600, 4661..4762, 4662..4805, 4662..4805, 4663..4806, 4806..5252, 4806..5132, 4820..5251, 5283..5309, 5411..5470		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o4.tw	Method	TBLASTX:Wheat
Start	4405	End	4611
GI	none	Score	71
Exons	4405..4443, 4409..4438, 4435..4611, 4436..4600		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o1.tw	Method	TBLASTX:Wheat
Start	4717	End	5123
GI	none	Score	154
Exons	4717..4785, 4723..4806, 4728..4850, 4806..4889, 4806..4871, 4820..4888, 4889..5122, 4890..5123		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o2.gs	Method	GENSCAN
Start	6727	End	9893
GI	none	Score	.82
Exons	6727..6834, 7378..7500, 7625..7730, 8869..9893		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o2.np	Method	AAT/NAP
Start	8868	End	10087
GI	4539395	Score	798
Exons	8868..10087		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o3.ts	Method	TBLASTX:Soybean
Start	9114	End	9539
GI	none	Score	93
Exons	9114..9449, 9219..9521, 9291..9536, 9360..9539		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-

Start	6727	End	10087
Name	OJ990426_03.9921.C33.o2.tc	Method	TBLASTX:Cress
Start	9147	End	9557
GI	none	Score	66
Exons	9147..9470, 9177..9524, 9270..9536, 9408..9536, 9477..9557		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o4.tm	Method	TBLASTX:Maize
Start	9147	End	9566
GI	none	Score	230
Exons	9147..9566, 9171..9524, 9198..9533, 9201..9557, 9219..9542		

Seq. No.	19111	Seq. ID	OJ990426_03.9921.C33
Gene No.	39988	Strand	-
Start	6727	End	10087
Name	OJ990426_03.9921.C33.o5.tw	Method	TBLASTX:Wheat
Start	9147	End	9533
GI	none	Score	197
Exons	9147..9389, 9270..9533		

Seq. No.	19112	Seq. ID	OJ990426_03.9921.C35
Gene No.	39989	Strand	-
Start	129	End	584
Name	OJ990426_03.9921.C35.o1.gp	Method	AAT/GAP
Start	129	End	584
GI	23935_1.R1084	Score	248
Exons	129..226, 503..584		
GI Descrip.	'4584520/emb|CAB40751.1| 2.0e-42 (AL049607) enoyl-CoA hydratase-like protein [Arabidopsis thaliana]'		

Seq. No.	19113	Seq. ID	OJ990426_03.9921.C36
Gene No.	39990	Strand	+
Start	143	End	393
Name	OJ990426_03.9921.C36.o1.gs	Method	GENSCAN
Start	143	End	393
GI	none	Score	.6
Exons	143..250, 311..393		

Seq. No.	19114	Seq. ID	OJ990426_03.9921.C39
Gene No.	39991	Strand	+
Start	123	End	690
Name	OJ990426_03.9921.C39.o1.gs	Method	GENSCAN
Start	123	End	690
GI	none	Score	.86
Exons	123..270, 395..690		

Seq. No.	19115	Seq. ID	OJ990426_03.9921.C40
Gene No.	39992	Strand	+
Start	1	End	515
Name	OJ990426_03.9921.C40.o1.np	Method	AAT/NAP
Start	1	End	515
GI	3641836	Score	334
Exons	1..211, 298..384, 480..515		
GI Descrip.	(AL023094) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	19115	Seq. ID	OJ990426_03.9921.C40
Gene No.	39992	Strand	+
Start	1	End	515
Name	OJ990426_03.9921.C40.o1.tc	Method	TBLASTX:Cress
Start	11	End	385
GI	none	Score	237
Exons	11..217, 12..215, 241..381, 290..385		

Seq. No.	19115	Seq. ID	OJ990426_03.9921.C40
Gene No.	39992	Strand	+
Start	1	End	515
Name	OJ990426_03.9921.C40.o1.ts	Method	TBLASTX:Soybean
Start	11	End	382
GI	none	Score	247
Exons	11..136, 12..230, 161..229, 274..381, 293..382		

Seq. No.	19115	Seq. ID	OJ990426_03.9921.C40
Gene No.	39992	Strand	+
Start	1	End	515
Name	OJ990426_03.9921.C40.o1.tw	Method	TBLASTX:Wheat
Start	11	End	397
GI	none	Score	179
Exons	11..202, 12..212, 311..397		

Seq. No.	19115	Seq. ID	OJ990426_03.9921.C40
Gene No.	39992	Strand	+
Start	1	End	515
Name	OJ990426_03.9921.C40.o1.tm	Method	TBLASTX:Maize
Start	24	End	391
GI	none	Score	283
Exons	24..209, 26..235, 292..381, 293..382, 332..391		

Seq. No.	19115	Seq. ID	OJ990426_03.9921.C40
Gene No.	39992	Strand	+
Start	1	End	515
Name	OJ990426_03.9921.C40.o1.gs	Method	GENSCAN
Start	50	End	436
GI	none	Score	.81
Exons	50..207, 294..436		

Seq. No.	19116	Seq. ID	OJ990426_03.9921.C41
Gene No.	39993	Strand	+
Start	106	End	669
Name	OJ990426_03.9921.C41.o1.gs	Method	GENSCAN
Start	106	End	517
GI	none	Score	.45
Exons	106..517		

Seq. No.	19116	Seq. ID	OJ990426_03.9921.C41
Gene No.	39993	Strand	+
Start	106	End	669
Name	OJ990426_03.9921.C41.o1.tm	Method	TBLASTX:Maize
Start	142	End	519
GI	none	Score	212
Exons	142..519		

Seq. No.	19116	Seq. ID	OJ990426_03.9921.C41
Gene No.	39993	Strand	+
Start	106	End	669
Name	OJ990426_03.9921.C41.o1.np	Method	AAT/NAP
Start	253	End	669
GI	629693	Score	258
Exons	253..669		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	19116	Seq. ID	OJ990426_03.9921.C41
Gene No.	39993	Strand	+
Start	106	End	669
Name	OJ990426_03.9921.C41.o1.ts	Method	TBLASTX:Soybean
Start	373	End	669
GI	none	Score	205
Exons	373..669, 480..596		

Seq. No.	19117	Seq. ID	OJ990426_03.9921.C42
Gene No.	39994	Strand	-
Start	439	End	758
Name	OJ990426_03.9921.C42.o1.tm	Method	TBLASTX:Maize
Start	279	End	677
GI	none	Score	55
Exons	279..341, 291..341, 302..406, 437..550, 441..551, 442..552, 442..558, 628..672, 628..675, 630..677		

Seq. No.	19117	Seq. ID	OJ990426_03.9921.C42
Gene No.	39994	Strand	-
Start	439	End	758
Name	OJ990426_03.9921.C42.o1.np	Method	AAT/NAP
Start	291	End	758
GI	6692680	Score	94
Exons	291..336, 443..549, 628..758		
GI Descrip.	(AC007592) F12K11.12 [Arabidopsis thaliana]		

Seq. No.	19117	Seq. ID	OJ990426_03.9921.C42
Gene No.	39994	Strand	-
Start	439	End	758
Name	OJ990426_03.9921.C42.o1.gs	Method	GENSCAN
Start	439	End	549
GI	none	Score	.52
Exons	439..549		

Seq. No.	19118	Seq. ID	OJ990426_03.9921.C43
Gene No.	39995	Strand	+
Start	2763	End	5394
Name	OJ990426_03.9921.C43.o2.gs	Method	GENSCAN
Start	2763	End	5045
GI	none	Score	.6
Exons	2763..2854, 2856..2988, 3086..3154, 3975..4058, 4367..4451, 4652..4737, 4893..5045		

Seq. No.	19118	Seq. ID	OJ990426_03.9921.C43
Gene No.	39995	Strand	+
Start	2763	End	5394
Name	OJ990426_03.9921.C43.o1.np	Method	AAT/NAP

Start	2778	End	5394
GI	6692680	Score	580
Exons	2778..2988, 3605..3668, 3807..3880, 3975..4058, 4367..4451, 4652..4737, 4893..5014, 5118..5178, 5364..5394		
GI Descrip.	(AC007592) F12K11.12 [Arabidopsis thaliana]		

Seq. No.	19118	Seq. ID	OJ990426_03.9921.C43
Gene No.	39995	Strand	+
Start	2763	End	5394
Name	OJ990426_03.9921.C43.o2.gp	Method	AAT/GAP
Start	4635	End	5155
GI	none	Score	1007
Exons	4635..5155		

Seq. No.	19118	Seq. ID	OJ990426_03.9921.C43
Gene No.	39996	Strand	-
Start	1	End	210
Name	OJ990426_03.9921.C43.o1.gp	Method	AAT/GAP
Start	1	End	210
GI	624_2.R1084	Score	397
Exons	1..210		
GI Descrip.	'3402817/emb|CAA07704| 9.0e-16 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	19118	Seq. ID	OJ990426_03.9921.C43
Gene No.	39997	Strand	-
Start	1446	End	1696
Name	OJ990426_03.9921.C43.o1.gs	Method	GENSCAN
Start	1446	End	1696
GI	none	Score	.94
Exons	1446..1579, 1663..1696		

Seq. No.	19118	Seq. ID	OJ990426_03.9921.C43
Gene No.	39998	Strand	
Start	2786	End	5196
Name	OJ990426_03.9921.C43.o1.tm	Method	TBLASTX:Maize
Start	2786	End	5196
GI	none	Score	114
Exons	2786..2809, 2896..2991, 2902..3003, 2904..2999, 3086..3154, 3086..3154, 3087..3155, 3566..3664, 3580..3663, 3602..3664, 3603..3668, 3604..3666, 3803..3883, 3804..3881, 3806..3883, 3808..3909, 3835..3903, 3974..4063, 3975..4058, 3979..4074, 4367..4459, 4372..4461, 4645..4737, 4647..4736, 4654..4740, 4897..4932, 4929..5015, 4932..5024, 5104..5196, 5115..5180		

Seq. No.	19119	Seq. ID	OJ990426_03.9921.C44
Gene No.	39999	Strand	-
Start	576	End	2598
Name	OJ990426_03.9921.C44.o1.gs	Method	GENSCAN
Start	576	End	2598
GI	none	Score	.97
Exons	576..899, 1007..1165, 1748..2237, 2255..2598		

Seq. No.	19120	Seq. ID	OJ990426_03.9921.C45
Gene No.	40000	Strand	+
Start	130	End	384
Name	OJ990426_03.9921.C45.o1.gs	Method	GENSCAN

Start	130	End	384
GI	none	Score	.7
Exons	130..237, 298..384		

Seq. No.	19121	Seq. ID	OJ990426_03.9921.C47
Gene No.	40001	Strand	-
Start	184	End	274
Name	OJ990426_03.9921.C47.o1.gp	Method	AAT/GAP
Start	184	End	274
GI	69953_1.R1084	Score	90
Exons	184..274		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	19121	Seq. ID	OJ990426_03.9921.C47
Gene No.	40002	Strand	-
Start	1153	End	2927
Name	OJ990426_03.9921.C47.o1.gs	Method	GENSCAN
Start	1153	End	2118
GI	none	Score	.54
Exons	1153..1320, 1912..2118		

Seq. No.	19121	Seq. ID	OJ990426_03.9921.C47
Gene No.	40002	Strand	-
Start	1153	End	2927
Name	OJ990426_03.9921.C47.o2.gp	Method	AAT/GAP
Start	1378	End	2926
GI	17122_1.R1084	Score	1240
Exons	1378..1817, 1912..2075, 2864..2926		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-17 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19121	Seq. ID	OJ990426_03.9921.C47
Gene No.	40002	Strand	-
Start	1153	End	2927
Name	OJ990426_03.9921.C47.o1.tm	Method	TBLASTX:Maize
Start	1914	End	2927
GI	none	Score	90
Exons	1914..2060, 1915..2082, 1919..2074, 2865..2927, 2871..2927		

Seq. No.	19122	Seq. ID	OJ990426_03.9921.C48
Gene No.	40003	Strand	+
Start	7127	End	7208
Name	OJ990426_03.9921.C48.o1.gp	Method	AAT/GAP
Start	7127	End	7208
GI	5867_1.R1084	Score	114
Exons	7127..7208		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	19122	Seq. ID	OJ990426_03.9921.C48
Gene No.	40004	Strand	-

Start	1	End	8954
Name	OJ990426_03.9921.C48.o1.np	Method	AAT/NAP
Start	1	End	8928
GI	2129478	Score	92
Exons	1..95, 5826..6035, 8594..8928		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	19122	Seq. ID	OJ990426_03.9921.C48
Gene No.	40004	Strand	-
Start	1	End	8954
Name	OJ990426_03.9921.C48.o1.gs	Method	GENSCAN
Start	401	End	5790
GI	none	Score	.67
Exons	401..471, 761..821, 1451..1546, 1739..1907, 3302..3353, 4242..4275, 5138..5188, 5674..5790		

Seq. No.	19122	Seq. ID	OJ990426_03.9921.C48
Gene No.	40004	Strand	-
Start	1	End	8954
Name	OJ990426_03.9921.C48.o2.gs	Method	GENSCAN
Start	7559	End	8954
GI	none	Score	.86
Exons	7559..7970, 8000..8179, 8209..8954		

Seq. No.	19122	Seq. ID	OJ990426_03.9921.C48
Gene No.	40005	Strand	-
Start	11428	End	11615
Name	OJ990426_03.9921.C48.o1.tm	Method	TBLASTX:Maize
Start	396	End	5760
GI	none	Score	87
Exons	396..473, 404..472, 406..480, 758..820, 759..821, 763..822, 1446..1547, 1448..1558, 1449..1559, 1450..1560, 1727..1882, 1736..1858, 1738..1860, 1853..1909, 1856..1915, 3302..3361, 3302..3352, 3479..3571, 3480..3530, 3484..3570, 5135..5194, 5139..5192, 5671..5760, 5674..5760		

Seq. No.	19122	Seq. ID	OJ990426_03.9921.C48
Gene No.	40005	Strand	-
Start	11428	End	11615
Name	OJ990426_03.9921.C48.o2.gp	Method	AAT/GAP
Start	10619	End	11042
GI	LIB3477-003-P1-K1-E9	Score	123
Exons	10619..10696, 11020..11042		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19122	Seq. ID	OJ990426_03.9921.C48
Gene No.	40005	Strand	-
Start	11428	End	11615
Name	OJ990426_03.9921.C48.o3.gs	Method	GENSCAN
Start	11428	End	11615
GI	none	Score	.93
Exons	11428..11615		

Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40006	Strand	+
Start	577	End	1921
Name	OJ990426_03.9921.C49.o2.np	Method	AAT/NAP
Start	577	End	1921
GI	6630699	Score	95
Exons	577..599, 1843..1921		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40007	Strand	+
Start	2057	End	5363
Name	OJ990426_03.9921.C49.o3.np	Method	AAT/NAP
Start	2057	End	4715
GI	6539570	Score	127
Exons	2057..2251, 2414..2507, 2948..3402, 4687..4715		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40007	Strand	+
Start	2057	End	5363
Name	OJ990426_03.9921.C49.o2.gs	Method	GENSCAN
Start	2884	End	3505
GI	none	Score	.95
Exons	2884..3258, 3422..3505		

Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40007	Strand	+
Start	2057	End	5363
Name	OJ990426_03.9921.C49.o4.np	Method	AAT/NAP
Start	3169	End	5363
GI	2529685	Score	140
Exons	3169..3238, 3277..3479, 5333..5363		
GI Descrip.	(AC002535) putative dimethyladenosine transferase [Arabidopsis thaliana]		

Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40008	Strand	-
Start	1	End	2136
Name	OJ990426_03.9921.C49.o1.np	Method	AAT/NAP
Start	1	End	1783
GI	5922620	Score	317
Exons	1..24, 213..416, 593..663, 1528..1552, 1598..1711, 1751..1783		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40008	Strand	-
Start	1	End	2136
Name	OJ990426_03.9921.C49.o1.gs	Method	GENSCAN
Start	383	End	2136
GI	none	Score	.69

Exons	383..706, 708..863, 1059..1222, 1528..1552, 1598..1727, 1832..1915, 2036..2136		
Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40009	Strand	-
Start	7616	End	8670
Name	OJ990426_03.9921.C49.o1.tm	Method	TBLASTX:Maize
Start	3144	End	3472
GI	none	Score	51
Exons	3144..3197, 3144..3197, 3160..3201, 3267..3305, 3270..3305, 3271..3306, 3294..3398, 3300..3386, 3307..3399, 3308..3391, 3385..3444, 3386..3448, 3452..3472		
Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40009	Strand	-
Start	7616	End	8670
Name	OJ990426_03.9921.C49.o3.gs	Method	GENSCAN
Start	7616	End	8181
GI	none	Score	.72
Exons	7616..8071, 8077..8181		
Seq. No.	19123	Seq. ID	OJ990426_03.9921.C49
Gene No.	40009	Strand	-
Start	7616	End	8670
Name	OJ990426_03.9921.C49.o5.np	Method	AAT/NAP
Start	7619	End	8670
GI	6815053	Score	721
Exons	7619..7856, 7906..8061, 8504..8670		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	19124	Seq. ID	OJ990426_03.9921.C51
Gene No.	40010	Strand	+
Start	580	End	757
Name	OJ990426_03.9921.C51.o1.gs	Method	GENSCAN
Start	580	End	757
GI	none	Score	.42
Exons	580..757		
Seq. No.	19124	Seq. ID	OJ990426_03.9921.C51
Gene No.	40011	Strand	+
Start	3129	End	3868
Name	OJ990426_03.9921.C51.o1.gp	Method	AAT/GAP
Start	3129	End	3868
GI	3860_1.R1084	Score	1125
Exons	3129..3425, 3531..3868		
GI Descrip.	'4582445/gb|AAD24829.1|AC007071_1 4.0e-24 (AC007071) unknown protein [Arabidopsis thaliana] >gi_4589952_gb_AAD26470.1_AC007169_2 (AC007169) unknown protein [Arabidopsis thaliana]'		
Seq. No.	19124	Seq. ID	OJ990426_03.9921.C51
Gene No.	40011	Strand	+
Start	3129	End	3868
Name	OJ990426_03.9921.C51.o1.np	Method	AAT/NAP
Start	3258	End	3575
GI	4582445	Score	279
Exons	3258..3425, 3531..3575		

GI Descrip. (AC007071) unknown protein [Arabidopsis thaliana]

Seq. No.	19124	Seq. ID	OJ990426_03.9921.C51
Gene No.	40011	Strand	+
Start	3129	End	3868
Name	OJ990426_03.9921.C51.o1.tm	Method	TBLASTX:Maize
Start	3275	End	3592
GI	none	Score	266
Exons	3275..3451, 3276..3425, 3518..3583, 3531..3578, 3532..3591, 3533..3592		

Seq. No.	19124	Seq. ID	OJ990426_03.9921.C51
Gene No.	40011	Strand	+
Start	3129	End	3868
Name	OJ990426_03.9921.C51.o1.tw	Method	TBLASTX:Wheat
Start	3275	End	3666
GI	none	Score	242
Exons	3275..3451, 3276..3425, 3502..3603, 3518..3604, 3520..3603, 3531..3626, 3533..3607, 3586..3666, 3603..3662, 3613..3666		

Seq. No.	19124	Seq. ID	OJ990426_03.9921.C51
Gene No.	40011	Strand	+
Start	3129	End	3868
Name	OJ990426_03.9921.C51.o1.tc	Method	TBLASTX:Cress
Start	3279	End	3578
GI	none	Score	197
Exons	3279..3425, 3281..3442, 3531..3578, 3533..3574		

Seq. No.	19124	Seq. ID	OJ990426_03.9921.C51
Gene No.	40011	Strand	+
Start	3129	End	3868
Name	OJ990426_03.9921.C51.o1.ts	Method	TBLASTX:Soybean
Start	3279	End	3580
GI	none	Score	217
Exons	3279..3425, 3281..3442, 3518..3580, 3531..3578		

Seq. No.	19125	Seq. ID	OJ990426_03.9921.C52
Gene No.	40012	Strand	+
Start	12005	End	12344
Name	OJ990426_03.9921.C52.o1.gp	Method	AAT/GAP
Start	12005	End	12344
GI	none	Score	660
Exons	12005..12344		

Seq. No.	19125	Seq. ID	OJ990426_03.9921.C52
Gene No.	40013	Strand	-
Start	11265	End	12227
Name	OJ990426_03.9921.C52.o2.gs	Method	GENSCAN
Start	11265	End	12227
GI	none	Score	.64
Exons	11265..11432, 11520..11638, 11654..11776, 12105..12227		

Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40014	Strand	+
Start	1	End	5164
Name	OJ990426_03.9921.C53.o1.np	Method	AAT/NAP
Start	1	End	2343

GI	3641836	Score	864
Exons	1..28, 530..829, 916..1014, 1183..1270, 1351..1427, 1548..1695, 1785..1979, 2071..2343		
GI Descrip.	(AL023094) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40014	Strand	+
Start	1	End	5164
Name	OJ990426_03.9921.C53.o2.np	Method	AAT/NAP
Start	1	End	5164
GI	5042454	Score	157
Exons	1..89, 4553..4721, 5104..5164		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40014	Strand	+
Start	1	End	5164
Name	OJ990426_03.9921.C53.o1.gs	Method	GENSCAN
Start	52	End	2433
GI	none	Score	.77
Exons	52..178, 361..825, 912..998, 1200..1330, 1351..1427, 1548..1695, 1785..1907, 2071..2433		

Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40015	Strand	+
Start	5261	End	6243
Name	OJ990426_03.9921.C53.o1.tc	Method	TBLASTX:Cress
Start	531	End	1006
GI	none	Score	103
Exons	531..626, 531..629, 538..630, 617..652, 629..835, 630..833, 859..999, 908..1003, 908..1006		

Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40015	Strand	+
Start	5261	End	6243
Name	OJ990426_03.9921.C53.o1.ts	Method	TBLASTX:Soybean
Start	531	End	1952
GI	none	Score	93
Exons	531..620, 578..619, 629..826, 630..830, 911..1015, 1202..1306, 1323..1433, 1348..1428, 1413..1430, 1539..1661, 1549..1713, 1776..1952		

Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40015	Strand	+
Start	5261	End	6243
Name	OJ990426_03.9921.C53.o1.tw	Method	TBLASTX:Wheat
Start	588	End	1015
GI	none	Score	35
Exons	588..620, 629..820, 630..830, 929..1015		

Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40015	Strand	+
Start	5261	End	6243
Name	OJ990426_03.9921.C53.o1.tm	Method	TBLASTX:Maize
Start	642	End	1889
GI	none	Score	295

Exons	642..827, 644..853, 910..999, 911..1015, 929..1009, 1199..1270, 1200..1271, 1201..1272, 1202..1273, 1286..1423, 1345..1425, 1346..1426, 1348..1428, 1350..1430, 1533..1700, 1545..1697, 1549..1707, 1776..1889		
Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40015	Strand	+
Start	5261	End	6243
Name	OJ990426_03.9921.C53.o2.tc	Method	TBLASTX:Cress
Start	1202	End	1638
GI	none	Score	96
Exons	1202..1273, 1348..1428, 1350..1430, 1533..1637, 1549..1638		
Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40015	Strand	+
Start	5261	End	6243
Name	OJ990426_03.9921.C53.o2.tw	Method	TBLASTX:Wheat
Start	1350	End	1841
GI	none	Score	78
Exons	1350..1433, 1351..1428, 1549..1608, 1609..1713, 1776..1841		
Seq. No.	19126	Seq. ID	OJ990426_03.9921.C53
Gene No.	40015	Strand	+
Start	5261	End	6243
Name	OJ990426_03.9921.C53.o3.np	Method	AAT/NAP
Start	5261	End	6243
GI	6498441	Score	1099
Exons	5261..6022, 6181..6243		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	19127	Seq. ID	OJ990426_03.9921.C55
Gene No.	40016	Strand	+
Start	335	End	418
Name	OJ990426_03.9921.C55.o1.gs	Method	GENSCAN
Start	335	End	418
GI	none	Score	.48
Exons	335..418		
Seq. No.	19128	Seq. ID	OJ990426_03.9921.C56
Gene No.	40017	Strand	+
Start	386	End	5344
Name	OJ990426_03.9921.C56.o1.gs	Method	GENSCAN
Start	386	End	5344
GI	none	Score	.42
Exons	386..472, 709..879, 1213..1435, 1649..1962, 2013..2172, 2318..2441, 3360..3670, 4902..5344		
Seq. No.	19128	Seq. ID	OJ990426_03.9921.C56
Gene No.	40018	Strand	-
Start	1	End	912
Name	OJ990426_03.9921.C56.o1.np	Method	AAT/NAP
Start	1	End	912
GI	5922623	Score	220
Exons	1..131, 299..451, 828..912		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	19128	Seq. ID	OJ990426_03.9921.C56
Gene No.	40019	Strand	
Start	2844	End	5611
Name	OJ990426_03.9921.C56.o1.tm	Method	TBLASTX:Maize
Start	2844	End	5611
GI	none	Score	96
Exons	2844..2948, 2876..2944, 2958..3086, 2963..3064, 5048..5374, 5089..5238, 5378..5611		

Seq. No.	19128	Seq. ID	OJ990426_03.9921.C56
Gene No.	40019	Strand	
Start	2844	End	5611
Name	OJ990426_03.9921.C56.o1.tw	Method	TBLASTX:Wheat
Start	2859	End	5203
GI	none	Score	66
Exons	2859..2936, 2952..3017, 4823..5203		

Seq. No.	19128	Seq. ID	OJ990426_03.9921.C56
Gene No.	40019	Strand	
Start	2844	End	5611
Name	OJ990426_03.9921.C56.o2.tw	Method	TBLASTX:Wheat
Start	4298	End	4661
GI	none	Score	141
Exons	4298..4516, 4505..4630, 4567..4659, 4572..4661		

Seq. No.	19128	Seq. ID	OJ990426_03.9921.C56
Gene No.	40019	Strand	
Start	2844	End	5611
Name	OJ990426_03.9921.C56.o2.tm	Method	TBLASTX:Maize
Start	4351	End	4710
GI	none	Score	221
Exons	4351..4710, 4352..4636		

Seq. No.	19129	Seq. ID	OJ990426_03.9921.C58
Gene No.	40020	Strand	-
Start	164	End	238
Name	OJ990426_03.9921.C58.o1.gs	Method	GENSCAN
Start	164	End	238
GI	none	Score	.56
Exons	164..238		

Seq. No.	19130	Seq. ID	OJ990426_03.9921.C59
Gene No.	40021	Strand	+
Start	1	End	251
Name	OJ990426_03.9921.C59.o1.gp	Method	AAT/GAP
Start	1	End	251
GI	none	Score	438
Exons	1..251		

Seq. No.	19130	Seq. ID	OJ990426_03.9921.C59
Gene No.	40022	Strand	-
Start	345	End	720
Name	OJ990426_03.9921.C59.o2.tm	Method	TBLASTX:Maize
Start	25	End	292

GI	none	Score	127
Exons	25..120, 25..111, 200..292, 211..276, 221..277		

Seq. No.	19130	Seq. ID	OJ990426_03.9921.C59
Gene No.	40022	Strand	-
Start	345	End	720
Name	OJ990426_03.9921.C59.o1.gs	Method	GENSCAN
Start	345	End	677
GI	none	Score	.77
Exons	345..361, 489..677		

Seq. No.	19130	Seq. ID	OJ990426_03.9921.C59
Gene No.	40022	Strand	-
Start	345	End	720
Name	OJ990426_03.9921.C59.o1.tm	Method	TBLASTX:Maize
Start	458	End	720
GI	none	Score	234
Exons	458..718, 487..720		

Seq. No.	19130	Seq. ID	OJ990426_03.9921.C59
Gene No.	40022	Strand	-
Start	345	End	720
Name	OJ990426_03.9921.C59.o1.tc	Method	TBLASTX:Cress
Start	479	End	719
GI	none	Score	164
Exons	479..685, 481..684, 684..719, 684..719		

Seq. No.	19130	Seq. ID	OJ990426_03.9921.C59
Gene No.	40022	Strand	-
Start	345	End	720
Name	OJ990426_03.9921.C59.o1.ts	Method	TBLASTX:Soybean
Start	482	End	720
GI	none	Score	148
Exons	482..685, 487..690, 694..720		

Seq. No.	19130	Seq. ID	OJ990426_03.9921.C59
Gene No.	40022	Strand	-
Start	345	End	720
Name	OJ990426_03.9921.C59.o1.tw	Method	TBLASTX:Wheat
Start	484	End	685
GI	none	Score	73
Exons	484..684, 494..685		

Seq. No.	19130	Seq. ID	OJ990426_03.9921.C59
Gene No.	40022	Strand	-
Start	345	End	720
Name	OJ990426_03.9921.C59.o1.np	Method	AAT/NAP
Start	485	End	720
GI	3641836	Score	288
Exons	485..720		
GI Descrip.	(AL023094) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	19131	Seq. ID	OJ990426_03.9921.C60
Gene No.	40023	Strand	-
Start	36	End	202
Name	OJ990426_03.9921.C60.o1.gs	Method	GENSCAN

Start	36	End	202
GI	none	Score	.88
Exons	36..202		

Seq. No.	19132	Seq. ID	OJ990426_03.9921.C61
Gene No.	40024	Strand	-
Start	65	End	190
Name	OJ990426_03.9921.C61.o1.gs	Method	GENSCAN
Start	65	End	190
GI	none	Score	.52
Exons	65..190		

Seq. No.	19133	Seq. ID	OJ990426_03.9921.C64
Gene No.	40025	Strand	-
Start	1	End	547
Name	OJ990426_03.9921.C64.o1.np	Method	AAT/NAP
Start	1	End	547
GI	5803259	Score	749
Exons	1..547		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	19134	Seq. ID	OJ990426_03.9921.C65
Gene No.	40026	Strand	+
Start	1	End	690
Name	OJ990426_03.9921.C65.o1.np	Method	AAT/NAP
Start	1	End	690
GI	5042454	Score	82
Exons	1..257, 501..690		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19135	Seq. ID	OJ990426_03.9921.C66
Gene No.	40027	Strand	-
Start	72	End	928
Name	OJ990426_03.9921.C66.o1.gs	Method	GENSCAN
Start	72	End	928
GI	none	Score	.74
Exons	72..445, 719..928		

Seq. No.	19136	Seq. ID	OJ990416_02.9923.C1
Gene No.	40028	Strand	+
Start	1	End	1010
Name	OJ990416_02.9923.C1.o1.np	Method	AAT/NAP
Start	1	End	1010
GI	3859659	Score	347
Exons	1..116, 404..666, 976..1010		
GI Descrip.	(AL031394) putative potassium transporter AtKT5p (AtKT5) [Arabidopsis thaliana]		

Seq. No.	19136	Seq. ID	OJ990416_02.9923.C1
Gene No.	40028	Strand	+
Start	1	End	1010
Name	OJ990416_02.9923.C1.o1.tc	Method	TBLASTX:Cress
Start	28	End	666
GI	none	Score	58
Exons	28..84, 38..85, 409..666, 462..665		

Seq. No.	19136	Seq. ID	OJ990416_02.9923.C1

Gene No.	40028	Strand	+
Start	1	End	1010
Name	OJ990416_02.9923.C1.o1.ts	Method	TBLASTX:Soybean
Start	38	End	666
GI	none	Score	62
Exons	38..85, 405..665, 409..666		

Seq. No.	19136	Seq. ID	OJ990416_02.9923.C1
Gene No.	40028	Strand	+
Start	1	End	1010
Name	OJ990416_02.9923.C1.o1.gs	Method	GENSCAN
Start	241	End	914
GI	none	Score	.43
Exons	241..289, 612..664, 822..914		

Seq. No.	19136	Seq. ID	OJ990416_02.9923.C1
Gene No.	40028	Strand	+
Start	1	End	1010
Name	OJ990416_02.9923.C1.o1.tm	Method	TBLASTX:Maize
Start	463	End	666
GI	none	Score	192
Exons	463..666, 471..665		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40029	Strand	+
Start	1	End	1676
Name	OJ990416_02.9923.C2.o1.np	Method	AAT/NAP
Start	1	End	1673
GI	3859659	Score	589
Exons	1..93, 1148..1673		
GI Descrip.	(AL031394) putative potassium transporter AtKT5p (AtKT5) [Arabidopsis thaliana]		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40029	Strand	+
Start	1	End	1676
Name	OJ990416_02.9923.C2.o1.gs	Method	GENSCAN
Start	1148	End	1676
GI	none	Score	.42
Exons	1148..1676		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40030	Strand	+
Start	14243	End	16769
Name	OJ990416_02.9923.C2.o4.gs	Method	GENSCAN
Start	14243	End	16769
GI	none	Score	.51
Exons	14243..14265, 15490..15553, 16683..16769		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40030	Strand	+
Start	14243	End	16769
Name	OJ990416_02.9923.C2.o1.gp	Method	AAT/GAP
Start	16031	End	16544
GI	none	Score	1004
Exons	16031..16544		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40031	Strand	+
Start	17451	End	18163
Name	OJ990416_02.9923.C2.o3.np	Method	AAT/NAP
Start	17451	End	18163
GI	6751696	Score	136
Exons	17451..17545, 17747..17901, 18026..18163		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40031	Strand	+
Start	17451	End	18163
Name	OJ990416_02.9923.C2.o3.gp	Method	AAT/GAP
Start	17594	End	17996
GI	uC-osroM202007g08a1	Score	775
Exons	17594..17996		
GI Descrip.	'3927829 2.0e-18 (AC005727) putative zinc finger protein [Arabidopsis thaliana]'		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40032	Strand	-
Start	8470	End	10727
Name	OJ990416_02.9923.C2.o3.gs	Method	GENSCAN
Start	8470	End	10727
GI	none	Score	.45
Exons	8470..8599, 10489..10727		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o2.tm	Method	TBLASTX:Maize
Start	2	End	1510
GI	none	Score	144
Exons	2..97, 6..98, 19..102, 20..97, 1130..1255, 1132..1251, 1146..1256, 1147..1272, 1237..1317, 1241..1345, 1242..1346, 1364..1441, 1384..1413, 1434..1508, 1451..1510		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o1.ts	Method	TBLASTX:Soybean
Start	1283	End	1676
GI	none	Score	66
Exons	1283..1417, 1317..1412, 1440..1676, 1451..1570, 1610..1672		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o2.tc	Method	TBLASTX:Cress
Start	1452	End	1676
GI	none	Score	238
Exons	1452..1676, 1457..1570, 1461..1676		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o3.tm	Method	TBLASTX:Maize

Start	1512	End	1676
GI	none	Score	204
Exons	1512..1676, 1518..1673		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o2.gp	Method	AAT/GAP
Start	16923	End	17224
GI	none	Score	518
Exons	16923..17224		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o5.gs	Method	GENSCAN
Start	17096	End	18174
GI	none	Score	.99
Exons	17096..17769, 17841..18174		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o2.np	Method	AAT/NAP
Start	17145	End	18171
GI	4996646	Score	289
Exons	17145..17460, 17857..18171		
GI Descrip.	(AB028132) Dof zinc finger protein [Oryza sativa]		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o1.tc	Method	TBLASTX:Cress
Start	17863	End	18051
GI	none	Score	149
Exons	17863..18051, 17870..18025		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o1.tm	Method	TBLASTX:Maize
Start	17863	End	18048
GI	none	Score	230
Exons	17863..18048, 17870..18031		

Seq. No.	19137	Seq. ID	OJ990416_02.9923.C2
Gene No.	40033	Strand	-
Start	16923	End	18174
Name	OJ990416_02.9923.C2.o2.ts	Method	TBLASTX:Soybean
Start	17866	End	18036
GI	none	Score	193
Exons	17866..18036, 17870..18025		

Seq. No.	19138	Seq. ID	OJ990416_02.9923.C3
Gene No.	40034	Strand	+
Start	12290	End	12618
Name	OJ990416_02.9923.C3.o2.gs	Method	GENSCAN

Start	12290	End	12618
GI	none	Score	.83
Exons	12290..12357, 12417..12618		

Seq. No.	19138	Seq. ID	OJ990416_02.9923.C3
Gene No.	40035	Strand	-
Start	13277	End	16958
Name	OJ990416_02.9923.C3.o3.gs	Method	GENSCAN
Start	13277	End	16958
GI	none	Score	.63
Exons	13277..13336, 14040..14165, 14492..14622, 16820..16958		

Seq. No.	19138	Seq. ID	OJ990416_02.9923.C3
Gene No.	40036	Strand	-
Start	21218	End	23009
Name	OJ990416_02.9923.C3.o5.gs	Method	GENSCAN
Start	21218	End	23009
GI	none	Score	.69
Exons	21218..21238, 22848..23009		

Seq. No.	19139	Seq. ID	OJ990416_02.9923.C4
Gene No.	40037	Strand	+
Start	896	End	2866
Name	OJ990416_02.9923.C4.o1.gs	Method	GENSCAN
Start	896	End	2866
GI	none	Score	.7
Exons	896..977, 2228..2311, 2401..2637, 2776..2866		

Seq. No.	19140	Seq. ID	OJ990416_02.9923.C5
Gene No.	40038	Strand	+
Start	115	End	516
Name	OJ990416_02.9923.C5.o1.gs	Method	GENSCAN
Start	115	End	516
GI	none	Score	.99
Exons	115..192, 247..516		

Seq. No.	19140	Seq. ID	OJ990416_02.9923.C5
Gene No.	40039	Strand	-
Start	1059	End	8666
Name	OJ990416_02.9923.C5.o2.gs	Method	GENSCAN
Start	1059	End	7984
GI	none	Score	.85
Exons	1059..1229, 1582..1683, 2227..2359, 2611..2732, 2854..2988, 3081..3135, 3967..4124, 4236..4325, 4408..4479, 4557..4660, 4879..4966, 5046..5156, 6330..6423, 6534..6691, 6779..6938, 7741..7984		

Seq. No.	19140	Seq. ID	OJ990416_02.9923.C5
Gene No.	40039	Strand	-
Start	1059	End	8666
Name	OJ990416_02.9923.C5.o2.tm	Method	TBLASTX:Maize
Start	2180	End	2389
GI	none	Score	211
Exons	2180..2389, 2182..2370		

Seq. No.	19140	Seq. ID	OJ990416_02.9923.C5
Gene No.	40039	Strand	-

Start	1059	End	8666
Name	OJ990416_02.9923.C5.o1.np	Method	AAT/NAP
Start	2665	End	8666
GI	2654606	Score	162
Exons	2665..2732, 2854..3040, 3981..4124, 4236..4325, 4408..4479, 8628..8666		
GI Descrip.	(AF011387) putative mitotic checkpoint protein kinase [Homo sapiens]		

Seq. No.	19140	Seq. ID	OJ990416_02.9923.C5
Gene No.	40039	Strand	-
Start	1059	End	8666
Name	OJ990416_02.9923.C5.o1.tm	Method	TBLASTX:Maize
Start	4043	End	5153
GI	none	Score	82
Exons	4043..4165, 4047..4130, 4236..4337, 4236..4328, 4404..4484, 4407..4481, 4408..4503, 4408..4497, 4533..4661, 4554..4661, 4558..4662, 4558..4662, 4877..4966, 4878..4967, 4894..4986, 5046..5153, 5050..5148		

Seq. No.	19140	Seq. ID	OJ990416_02.9923.C5
Gene No.	40039	Strand	-
Start	1059	End	8666
Name	OJ990416_02.9923.C5.o1.gp	Method	AAT/GAP
Start	4229	End	4494
GI	3107328	Score	288
Exons	4229..4325, 4408..4494		
GI Descrip.	4454483/gb|AAD20930| 5.0e-11 (AC006234) putative kinase, 5' partial [Arabidopsis thaliana]		

Seq. No.	19140	Seq. ID	OJ990416_02.9923.C5
Gene No.	40039	Strand	-
Start	1059	End	8666
Name	OJ990416_02.9923.C5.o3.tm	Method	TBLASTX:Maize
Start	6779	End	7946
GI	none	Score	159
Exons	6779..6940, 6780..6941, 7740..7802, 7914..7946		

Seq. No.	19141	Seq. ID	OJ990416_02.9923.C6
Gene No.	40040	Strand	-
Start	1124	End	5574
Name	OJ990416_02.9923.C6.o1.gs	Method	GENSCAN
Start	1124	End	5574
GI	none	Score	.78
Exons	1124..1399, 1663..1845, 4567..4664, 5502..5574		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40041	Strand	+
Start	1819	End	10072
Name	OJ990416_02.9923.C7.o1.gs	Method	GENSCAN
Start	1819	End	10072
GI	none	Score	.81
Exons	1819..1830, 4335..4433, 5392..5514, 5769..5838, 6550..6698, 7900..8001, 8118..8315, 8406..8468, 8548..8637, 8719..8793, 9890..10072		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7

Gene No.	40041	Strand	+
Start	1819	End	10072
Name	OJ990416_02.9923.C7.o1.np	Method	AAT/NAP
Start	4374	End	9286
GI	5816992	Score	811
Exons	4374..4433, 5392..5514, 5769..5838, 6550..6698, 7900..8001, 8118..8315, 8548..8637, 8719..8793, 9170..9286		
GI Descrip.	(AL110123) putative protein [Arabidopsis thaliana]		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40041	Strand	+
Start	1819	End	10072
Name	OJ990416_02.9923.C7.o1.gp	Method	AAT/GAP
Start	6535	End	8148
GI	4968800	Score	460
Exons	6535..6698, 7900..8001, 8118..8148		
GI Descrip.	5816992/emb|CAB53647.1| 4.0e-24 (AL110123) putative protein [Arabidopsis thaliana]		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40041	Strand	+
Start	1819	End	10072
Name	OJ990416_02.9923.C7.o2.gp	Method	AAT/GAP
Start	8695	End	9587
GI	75834_1.R1084	Score	939
Exons	8695..8793, 9170..9587		
GI Descrip.	'5816992/emb|CAB53647.1| 9.0e-18 (AL110123) putative protein [Arabidopsis thaliana]'		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40042	Strand	+
Start	20607	End	28410
Name	OJ990416_02.9923.C7.o5.gs	Method	GENSCAN
Start	20607	End	28401
GI	none	Score	.85
Exons	20607..20612, 20707..20827, 21052..21267, 21347..21417, 21531..21795, 21887..22066, 22161..22291, 23091..23188, 23542..23647, 24239..24416, 25032..25261, 25342..25521, 25871..26119, 26408..26469, 26564..26716, 26832..28401		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40042	Strand	+
Start	20607	End	28410
Name	OJ990416_02.9923.C7.o2.np	Method	AAT/NAP
Start	22307	End	28410
GI	3024898	Score	2741
Exons	22307..22375, 24275..24416, 25032..25261, 25354..25521, 25871..26119, 26408..26469, 26564..26716, 26805..28410		
GI Descrip.	PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE PRP16 (KIAA0224) (HA4657) gi|1504028|dbj|BAA13213| (D86977) similar to putative ATP-dependent RNA helicase K03H1.2 of C.elegans(S41025) [Homo sapiens] gi|3123906 (AF038391) pre-mRNA splicing factor [Homo sapiens]		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40043	Strand	-
Start	10295	End	11519

Name	OJ990416_02.9923.C7.o2.gs	Method	GENSCAN
Start	10295	End	11519
GI	none	Score	.85
Exons	10295..10402, 10478..10554, 10767..10921, 11308..11519		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40044	Strand	-
Start	12440	End	14660
Name	OJ990416_02.9923.C7.o3.gs	Method	GENSCAN
Start	12440	End	14660
GI	none	Score	.63
Exons	12440..12737, 13331..13392, 14163..14660		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40045	Strand	-
Start	27583	End	28017
Name	OJ990416_02.9923.C7.o3.gp	Method	AAT/GAP
Start	27583	End	28017
GI	LIB3431-043-P1-K1-B9	Score	843
Exons	27583..28017		
GI Descrip.	'732174/sp|P34498|YMS2_CAEEL 3.0e-54 PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE K03H1.2 >gi_3878176_emb_CAA82662.1_ (Z29560) similar to DEAH subfamily RNA helicases, especially yeast pre-mRNA splicing factors 22 and 16; cDNA EST EMBL:D27770 comes from this gene; cDNA EST EMBL:D27769 comes from this gene; cDNA EST EMBL:D36247 comes from thi... >gi_4249768_gb_A'		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40046	Strand	-
Start	28179	End	28599
Name	OJ990416_02.9923.C7.o4.gp	Method	AAT/GAP
Start	28179	End	28599
GI	none	Score	810
Exons	28179..28599		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o3.tm	Method	TBLASTX:Maize
Start	4368	End	9295
GI	none	Score	96
Exons	4368..4442, 4388..4441, 5389..5514, 5389..5529, 5764..5841, 5766..5849, 5768..5848, 6549..6698, 6549..6698, 6550..6699, 6626..6703, 7858..8001, 7887..8000, 7897..8001, 8107..8229, 8112..8312, 8118..8312, 8123..8317, 8143..8316, 8405..8455, 8408..8437, 8409..8471, 8409..8471, 8525..8602, 8546..8638, 8547..8639, 8547..8648, 8548..8640, 8704..8799, 8706..8774, 8717..8791, 9166..9285, 9168..9287, 9170..9295		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o2.tw	Method	TBLASTX:Wheat
Start	4386	End	6686
GI	none	Score	78
Exons	4386..4442, 4388..4441, 5389..5514, 5389..5529, 5766..5849,		

5767..5841, 5768..5848, 6549..6683, 6549..6686, 6550..6684

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o2.tc	Method	TBLASTX:Cress
Start	8135	End	9259
GI	none	Score	66
Exons	8135..8281, 8145..8318, 8148..8315, 8394..8471, 8547..8642, 8548..8640, 8701..8799, 9170..9259, 9181..9258		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o9.tm	Method	TBLASTX:Maize
Start	11364	End	11691
GI	none	Score	147
Exons	11364..11510, 11364..11510, 11383..11511, 11514..11588, 11516..11569, 11638..11691		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o1.tw	Method	TBLASTX:Wheat
Start	14160	End	14348
GI	none	Score	163
Exons	14160..14342, 14163..14348		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o5.tm	Method	TBLASTX:Maize
Start	23127	End	25518
GI	none	Score	102
Exons	23127..23192, 23134..23199, 23541..23627, 23541..23645, 23543..23647, 24234..24416, 24235..24414, 24239..24421, 24240..24425, 25016..25150, 25017..25145, 25031..25147, 25032..25211, 25033..25176, 25144..25266, 25145..25267, 25338..25517, 25339..25518, 25341..25517		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o1.tc	Method	TBLASTX:Cress
Start	25031	End	28185
GI	none	Score	68
Exons	25031..25186, 25870..26031, 25903..26115, 25904..26119, 26405..26467, 26405..26458, 26550..26711, 26564..26701, 26812..27012, 26814..26957, 27027..27239, 27028..28050, 27303..27395, 27322..27579, 27516..27584, 27723..27878, 28066..28185, 28098..28178		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o2.ts	Method	TBLASTX:Soybean
Start	25099	End	26029

GI	none	Score	258
Exons	25099..25266, 25100..25267, 25103..25267, 25339..25422, 25344..25421, 25413..25523, 25426..25524, 25869..25910, 25906..25995, 25907..26029		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o3.tc	Method	TBLASTX:Cress
Start	25187	End	25529
GI	none	Score	122
Exons	25187..25267, 25189..25266, 25339..25422, 25344..25421, 25413..25529, 25426..25524		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o8.tm	Method	TBLASTX:Maize
Start	25868	End	26119
GI	none	Score	143
Exons	25868..26119, 25869..25994, 25904..26119		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o4.ts	Method	TBLASTX:Soybean
Start	26035	End	26832
GI	none	Score	119
Exons	26035..26118, 26036..26119, 26036..26119, 26405..26470, 26522..26728, 26559..26714, 26567..26716, 26809..26832		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o2.tm	Method	TBLASTX:Maize
Start	26423	End	27152
GI	none	Score	79
Exons	26423..26470, 26424..26477, 26559..26717, 26564..26716, 26792..27112, 26794..26991, 26805..27152, 26806..27150		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o1.ts	Method	TBLASTX:Soybean
Start	27079	End	28257
GI	none	Score	406
Exons	27079..27393, 27079..27618, 27170..27454, 27303..27626, 27448..27639, 27640..28257, 27642..27782, 27646..28191, 27801..28214		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o1.tm	Method	TBLASTX:Maize
Start	27433	End	28037
GI	none	Score	206
Exons	27433..28035, 27437..27724, 27448..28035, 27483..28037		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o6.tm	Method	TBLASTX:Maize
Start	28038	End	28260
GI	none	Score	385
Exons	28038..28214, 28039..28260		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o5.gp	Method	AAT/GAP
Start	30097	End	31820
GI	52805_1.R1084	Score	1148
Exons	30097..30453, 30537..30658, 31562..31628, 31749..31820		
GI Descrip.	'6016737/gb|AAF01563.1|AC009325_33 4.0e-09 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o7.tm	Method	TBLASTX:Maize
Start	30165	End	30661
GI	none	Score	66
Exons	30165..30272, 30185..30244, 30208..30330, 30208..30336, 30218..30337, 30231..30272, 30340..30453, 30340..30453, 30523..30660, 30525..30560, 30539..30661		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o6.gs	Method	GENSCAN
Start	30184	End	38394
GI	none	Score	.66
Exons	30184..30453, 30537..30732, 31562..31628, 31790..31867, 33146..33200, 33310..33374, 33458..33506, 33584..34322, 34599..34778, 36620..36766, 37181..37309, 37356..37435, 37966..38180, 38224..38394		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o4.tm	Method	TBLASTX:Maize
Start	31557	End	34281
GI	none	Score	75
Exons	31557..31640, 31562..31627, 31612..31632, 31748..31846, 31749..31859, 31750..31845, 32996..33076, 32997..33074, 33453..33506, 33453..33518, 33460..33528, 33558..33668, 33581..33667, 33626..34045, 33627..34058, 33678..34046, 33682..34065, 34048..34236, 34049..34240, 34050..34262, 34052..34276, 34090..34281, 34191..34280		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-

Start	30184	End	38394
Name	OJ990416_02.9923.C7.o3.ts	Method	TBLASTX:Soybean
Start	31749	End	34081
GI	none	Score	227
Exons	31749..31829, 33729..34049, 33731..34081		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o6.gp	Method	AAT/GAP
Start	33034	End	33798
GI	12484_1.R1084	Score	717
Exons	33034..33072, 33146..33200, 33310..33374, 33458..33506, 33584..33798		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o3.np	Method	AAT/NAP
Start	33644	End	34090
GI	6016737	Score	280
Exons	33644..34090		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091741|gb|AAF03453.1|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o4.tc	Method	TBLASTX:Cress
Start	33737	End	34045
GI	none	Score	122
Exons	33737..33958, 33738..33959, 33974..34045, 33975..34043		

Seq. No.	19142	Seq. ID	OJ990416_02.9923.C7
Gene No.	40047	Strand	-
Start	30184	End	38394
Name	OJ990416_02.9923.C7.o7.gp	Method	AAT/GAP
Start	37539	End	37790
GI	uC-osflcyp086a12b1	Score	415
Exons	37539..37790		
GI Descrip.	'5816992/emb|CAB53647.1| 4.0e-24 (AL110123) putative protein [Arabidopsis thaliana]'		

Seq. No.	19143	Seq. ID	OJ990416_02.9923.C9
Gene No.	40048	Strand	+
Start	89	End	1677
Name	OJ990416_02.9923.C9.o1.np	Method	AAT/NAP
Start	89	End	1447
GI	4559351	Score	385
Exons	89..165, 293..953, 1038..1199, 1288..1447		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19143	Seq. ID	OJ990416_02.9923.C9
Gene No.	40048	Strand	+

Start	89	End	1677
Name	OJ990416_02.9923.C9.o1.gs	Method	GENSCAN
Start	134	End	1665
GI	none	Score	.9
Exons	134..222, 300..953, 1288..1665		

Seq. No.	19143	Seq. ID	OJ990416_02.9923.C9
Gene No.	40048	Strand	+
Start	89	End	1677
Name	OJ990416_02.9923.C9.o1.gp	Method	AAT/GAP
Start	342	End	629
GI	568707	Score	485
Exons	342..629		

Seq. No.	19143	Seq. ID	OJ990416_02.9923.C9
Gene No.	40048	Strand	+
Start	89	End	1677
Name	OJ990416_02.9923.C9.o1.tm	Method	TBLASTX:Maize
Start	562	End	1421
GI	none	Score	165
Exons	562..711, 563..718, 563..718, 564..719, 574..726, 720..953, 721..954, 722..955, 722..952, 1028..1177, 1032..1205, 1033..1191, 1034..1204, 1285..1416, 1285..1419, 1287..1421		

Seq. No.	19143	Seq. ID	OJ990416_02.9923.C9
Gene No.	40048	Strand	+
Start	89	End	1677
Name	OJ990416_02.9923.C9.o2.gp	Method	AAT/GAP
Start	1480	End	1677
GI	700185	Score	368
Exons	1480..1677		

Seq. No.	19144	Seq. ID	OJ990416_02.9923.C11
Gene No.	40049	Strand	-
Start	1	End	1149
Name	OJ990416_02.9923.C11.o1.np	Method	AAT/NAP
Start	1	End	1149
GI	3859659	Score	954
Exons	1..548, 815..1149		
GI Descrip.	(AL031394) putative potassium transporter AtKT5p (AtKT5) [Arabidopsis thaliana]		

Seq. No.	19144	Seq. ID	OJ990416_02.9923.C11
Gene No.	40049	Strand	-
Start	1	End	1149
Name	OJ990416_02.9923.C11.o1.ts	Method	TBLASTX:Soybean
Start	6	End	911
GI	none	Score	220
Exons	6..164, 21..494, 22..465, 23..550, 29..547, 778..903, 807..911, 811..909, 813..911		

Seq. No.	19144	Seq. ID	OJ990416_02.9923.C11
Gene No.	40049	Strand	-
Start	1	End	1149
Name	OJ990416_02.9923.C11.o1.tm	Method	TBLASTX:Maize
Start	17	End	484
GI	none	Score	343

Exons	17..484, 22..462, 32..475		
Seq. No.	19144	Seq. ID	OJ990416_02.9923.C11
Gene No.	40049	Strand	-
Start	1	End	1149
Name	OJ990416_02.9923.C11.o1.gs	Method	GENSCAN
Start	26	End	1069
GI	none	Score	.66
Exons	26..407, 815..1069		
Seq. No.	19144	Seq. ID	OJ990416_02.9923.C11
Gene No.	40049	Strand	-
Start	1	End	1149
Name	OJ990416_02.9923.C11.o1.tc	Method	TBLASTX:Cress
Start	64	End	493
GI	none	Score	330
Exons	64..459, 65..493, 65..484		
Seq. No.	19144	Seq. ID	OJ990416_02.9923.C11
Gene No.	40049	Strand	-
Start	1	End	1149
Name	OJ990416_02.9923.C11.o2.tm	Method	TBLASTX:Maize
Start	485	End	1052
GI	none	Score	99
Exons	485..547, 487..549, 766..1047, 811..1005, 813..1052		
Seq. No.	19144	Seq. ID	OJ990416_02.9923.C11
Gene No.	40049	Strand	-
Start	1	End	1149
Name	OJ990416_02.9923.C11.o2.tc	Method	TBLASTX:Cress
Start	846	End	1076
GI	none	Score	166
Exons	846..1076, 856..1062		
Seq. No.	19145	Seq. ID	OJ990416_02.9923.C12
Gene No.	40050	Strand	+
Start	530	End	585
Name	OJ990416_02.9923.C12.o1.gs	Method	GENSCAN
Start	530	End	585
GI	none	Score	.43
Exons	530..585		
Seq. No.	19145	Seq. ID	OJ990416_02.9923.C12
Gene No.	40051	Strand	-
Start	1	End	886
Name	OJ990416_02.9923.C12.o1.np	Method	AAT/NAP
Start	1	End	886
GI	3859659	Score	366
Exons	1..350, 487..590, 666..744, 807..886		
GI Descrip.	(AL031394) putative potassium transporter AtKT5p (AtKT5) [Arabidopsis thaliana]		
Seq. No.	19145	Seq. ID	OJ990416_02.9923.C12
Gene No.	40051	Strand	-
Start	1	End	886
Name	OJ990416_02.9923.C12.o1.tm	Method	TBLASTX:Maize
Start	87	End	328

GI	none	Score	317
Exons	87..323, 89..328		
Seq. No.	19145	Seq. ID	OJ990416_02.9923.C12
Gene No.	40051	Strand	-
Start	1	End	886
Name	OJ990416_02.9923.C12.o1.ts	Method	TBLASTX:Soybean
Start	87	End	539
GI	none	Score	241
Exons	87..341, 87..281, 89..352, 462..539		
Seq. No.	19145	Seq. ID	OJ990416_02.9923.C12
Gene No.	40051	Strand	-
Start	1	End	886
Name	OJ990416_02.9923.C12.o1.tc	Method	TBLASTX:Cress
Start	122	End	735
GI	none	Score	166
Exons	122..352, 132..338, 450..539, 475..591, 682..735		
Seq. No.	19146	Seq. ID	OJ990416_02.9923.C14
Gene No.	40052	Strand	+
Start	1	End	669
Name	OJ990416_02.9923.C14.o1.gs	Method	GENSCAN
Start	1	End	669
GI	none	Score	.97
Exons	1..30, 152..273, 525..669		
Seq. No.	19147	Seq. ID	OJ990416_02.9923.C15
Gene No.	40053	Strand	+
Start	299	End	485
Name	OJ990416_02.9923.C15.o1.tm	Method	TBLASTX:Maize
Start	294	End	485
GI	none	Score	225
Exons	294..476, 295..474, 299..481, 300..485		
Seq. No.	19147	Seq. ID	OJ990416_02.9923.C15
Gene No.	40053	Strand	+
Start	299	End	485
Name	OJ990416_02.9923.C15.o1.gs	Method	GENSCAN
Start	299	End	476
GI	none	Score	.71
Exons	299..476		
Seq. No.	19148	Seq. ID	OJ990416_02.9923.C21
Gene No.	40054	Strand	-
Start	70	End	189
Name	OJ990416_02.9923.C21.o1.gs	Method	GENSCAN
Start	70	End	189
GI	none	Score	.75
Exons	70..189		
Seq. No.	19149	Seq. ID	OJ990706_06.9924.C1
Gene No.	40055	Strand	-
Start	1	End	404
Name	OJ990706_06.9924.C1.o1.np	Method	AAT/NAP
Start	1	End	404
GI	6573241	Score	313

Exons	1..140, 243..404		
GI Descrip.	(AF205069) xyloglucan endotransglycosylase [Lycopersicon esculentum]		
Seq. No.	19149	Seq. ID	OJ990706_06.9924.C1
Gene No.	40055	Strand	-
Start	1	End	404
Name	OJ990706_06.9924.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	403
GI	none	Score	239
Exons	1..171, 2..151, 245..403, 250..402, 317..403		
Seq. No.	19149	Seq. ID	OJ990706_06.9924.C1
Gene No.	40055	Strand	-
Start	1	End	404
Name	OJ990706_06.9924.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	387
GI	none	Score	131
Exons	1..138, 2..139, 226..387, 260..373		
Seq. No.	19149	Seq. ID	OJ990706_06.9924.C1
Gene No.	40055	Strand	-
Start	1	End	404
Name	OJ990706_06.9924.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	390
GI	none	Score	128
Exons	1..126, 2..124, 244..390, 260..388		
Seq. No.	19149	Seq. ID	OJ990706_06.9924.C1
Gene No.	40055	Strand	-
Start	1	End	404
Name	OJ990706_06.9924.C1.o1.gs	Method	GENSCAN
Start	14	End	378
GI	none	Score	1
Exons	14..153, 250..378		
Seq. No.	19149	Seq. ID	OJ990706_06.9924.C1
Gene No.	40055	Strand	-
Start	1	End	404
Name	OJ990706_06.9924.C1.o1.gp	Method	AAT/GAP
Start	104	End	404
GI	58722_1.R1084	Score	371
Exons	104..153, 250..404		
GI Descrip.	'2129771/pir||S71225 1.0e-15 xyloglucan endotransglycosylase-related protein XTR-6 - Arabidopsis thaliana >gi_1244758 (U43488) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana] >gi_4539299_emb_CAB39602.1_ (AL049480) xyloglucan endo-1, 4-beta-D-glucanase (XTR-6) [Arabidopsis thaliana]'		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40056	Strand	+
Start	1	End	1231
Name	OJ990706_06.9924.C3.o1.np	Method	AAT/NAP
Start	1	End	1228
GI	5902445	Score	1717
Exons	1..1228		

GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40056	Strand	+
Start	1	End	1231
Name	OJ990706_06.9924.C3.o1.gs	Method	GENSCAN
Start	398	End	1231
GI	none	Score	.94
Exons	398..1231		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40057	Strand	+
Start	6033	End	17822
Name	OJ990706_06.9924.C3.o1.gp	Method	AAT/GAP
Start	5802	End	5948
GI	uC-osflcyp177g01a1	Score	241
Exons	5802..5948		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40057	Strand	+
Start	6033	End	17822
Name	OJ990706_06.9924.C3.o3.gs	Method	GENSCAN
Start	6033	End	17822
GI	none	Score	.65
Exons	6033..6084, 6691..6741, 7187..7266, 7301..7846, 8143..8340, 10248..10412, 10611..10786, 11544..11724, 12236..12282, 13007..13066, 14496..14621, 15356..15472, 17495..17822		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40058	Strand	-
Start	1548	End	4487
Name	OJ990706_06.9924.C3.o2.gs	Method	GENSCAN
Start	1548	End	4487
GI	none	Score	.84
Exons	1548..1996, 2069..2173, 2246..2435, 2510..2697, 2817..3405, 3603..4487		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40058	Strand	-
Start	1548	End	4487
Name	OJ990706_06.9924.C3.o2.np	Method	AAT/NAP
Start	1551	End	4487
GI	6691716	Score	2312
Exons	1551..1996, 2069..2181, 2332..2435, 2510..2704, 2881..3148, 3230..3405, 3603..4487		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40059	Strand	-
Start	8062	End	11699
Name	OJ990706_06.9924.C3.o1.tw	Method	TBLASTX:Wheat
Start	241	End	618
GI	none	Score	405

Exons	241..618, 242..616		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40059	Strand	-
Start	8062	End	11699
Name	OJ990706_06.9924.C3.o1.tm	Method	TBLASTX:Maize
Start	253	End	636
GI	none	Score	209
Exons	253..510, 260..526, 493..636, 521..634		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40059	Strand	-
Start	8062	End	11699
Name	OJ990706_06.9924.C3.o2.tw	Method	TBLASTX:Wheat
Start	620	End	1219
GI	none	Score	256
Exons	620..883, 766..867, 938..1096, 1082..1219, 1093..1215		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40059	Strand	-
Start	8062	End	11699
Name	OJ990706_06.9924.C3.o3.tm	Method	TBLASTX:Maize
Start	947	End	1180
GI	none	Score	152
Exons	947..1099, 1048..1098, 1078..1179, 1079..1180		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40059	Strand	-
Start	8062	End	11699
Name	OJ990706_06.9924.C3.o3.tw	Method	TBLASTX:Wheat
Start	4077	End	4367
GI	none	Score	211
Exons	4077..4367		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40059	Strand	-
Start	8062	End	11699
Name	OJ990706_06.9924.C3.o3.np	Method	AAT/NAP
Start	8062	End	11699
GI	4455232	Score	63
Exons	8062..8102, 9992..10136, 11671..11699		
GI Descrip.	(AL035523) putative protein [Arabidopsis thaliana]		
Seq. No.	19150	Seq. ID	OJ990706_06.9924.C3
Gene No.	40059	Strand	-
Start	8062	End	11699
Name	OJ990706_06.9924.C3.o2.tm	Method	TBLASTX:Maize
Start	10300	End	10715
GI	none	Score	115
Exons	10300..10422, 10305..10424, 10341..10424, 10514..10612, 10515..10613, 10612..10674, 10614..10676, 10680..10715		
Seq. No.	19151	Seq. ID	OJ990706_06.9924.C4
Gene No.	40060	Strand	+
Start	1948	End	2289
Name	OJ990706_06.9924.C4.o1.gs	Method	GENSCAN
Start	1948	End	2289

GI	none	Score	.95
Exons	1948..2082, 2111..2289		

Seq. No.	19151	Seq. ID	OJ990706_06.9924.C4
Gene No.	40061	Strand	+
Start	3831	End	4275
Name	OJ990706_06.9924.C4.o1.gp	Method	AAT/GAP
Start	3831	End	4275
GI	none	Score	821
Exons	3831..4275		

Seq. No.	19151	Seq. ID	OJ990706_06.9924.C4
Gene No.	40062	Strand	-
Start	3260	End	6656
Name	OJ990706_06.9924.C4.o2.gs	Method	GENSCAN
Start	3260	End	6656
GI	none	Score	.54
Exons	3260..3421, 3434..3546, 3632..3767, 3860..4711, 6594..6656		

Seq. No.	19151	Seq. ID	OJ990706_06.9924.C4
Gene No.	40063	Strand	-
Start	7630	End	8048
Name	OJ990706_06.9924.C4.o3.gs	Method	GENSCAN
Start	7630	End	8048
GI	none	Score	.51
Exons	7630..7724, 7988..8048		

Seq. No.	19151	Seq. ID	OJ990706_06.9924.C4
Gene No.	40064	Strand	-
Start	11053	End	11133
Name	OJ990706_06.9924.C4.o4.gs	Method	GENSCAN
Start	11053	End	11133
GI	none	Score	.52
Exons	11053..11133		

Seq. No.	19152	Seq. ID	OJ990706_06.9924.C5
Gene No.	40065	Strand	+
Start	189	End	658
Name	OJ990706_06.9924.C5.o1.gs	Method	GENSCAN
Start	189	End	658
GI	none	Score	.82
Exons	189..330, 591..658		

Seq. No.	19152	Seq. ID	OJ990706_06.9924.C5
Gene No.	40066	Strand	-
Start	1210	End	2734
Name	OJ990706_06.9924.C5.o2.gs	Method	GENSCAN
Start	1210	End	2734
GI	none	Score	.74
Exons	1210..1443, 2255..2464, 2681..2734		

Seq. No.	19153	Seq. ID	OJ990706_06.9924.C6
Gene No.	40067	Strand	+
Start	2129	End	8124
Name	OJ990706_06.9924.C6.o1.np	Method	AAT/NAP
Start	2129	End	7715
GI	606817	Score	900

Exons	2129..2201, 3249..3374, 3718..3779, 3897..3945, 6296..6412, 6535..6588, 7043..7128, 7288..7393, 7584..7715		
GI Descrip.	(U08404) carbonic anhydrase [Oryza sativa] gi|5917783|gb|AAD56038.1|AF182806_1 (AF182806) carbonic anhydrase 3 [Oryza sativa]		
Seq. No.	19153	Seq. ID	OJ990706_06.9924.C6
Gene No.	40067	Strand	+
Start	2129	End	8124
Name	OJ990706_06.9924.C6.o1.gs	Method	GENSCAN
Start	3155	End	7718
GI	none	Score	.83
Exons	3155..3334, 3718..3779, 3897..3997, 3999..4331, 5315..5586, 6296..6475, 6535..6588, 6617..6745, 7043..7128, 7288..7393, 7584..7718		
Seq. No.	19153	Seq. ID	OJ990706_06.9924.C6
Gene No.	40067	Strand	+
Start	2129	End	8124
Name	OJ990706_06.9924.C6.o1.gp	Method	AAT/GAP
Start	3718	End	8124
GI	340_1.R1084	Score	1649
Exons	3718..3779, 3897..3945, 6296..6412, 6535..6588, 7043..7128, 7288..7393, 7584..8013, 8105..8124		
GI Descrip.	'3345477/dbj|BAA31953| 1.0e-131 (AB016283) carbonic anhydrase [Oryza sativa]'		
Seq. No.	19153	Seq. ID	OJ990706_06.9924.C6
Gene No.	40068	Strand	+
Start	11255	End	13434
Name	OJ990706_06.9924.C6.o3.gs	Method	GENSCAN
Start	11255	End	13434
GI	none	Score	.66
Exons	11255..11428, 11497..11588, 11646..11694, 12633..12872, 12890..13434		
Seq. No.	19153	Seq. ID	OJ990706_06.9924.C6
Gene No.	40069	Strand	-
Start	9057	End	11694
Name	OJ990706_06.9924.C6.o1.tm	Method	TBLASTX:Maize
Start	3717	End	11694
GI	none	Score	77
Exons	3717..3788, 3718..3789, 3897..3944, 3897..3944, 3898..3945, 3898..3945, 6293..6415, 6293..6412, 6295..6417, 6295..6411, 6350..6412, 6525..6599, 6525..6590, 6532..6591, 6538..6591, 7025..7129, 7036..7140, 7037..7126, 7037..7126, 7042..7128, 7042..7140, 7288..7395, 7288..7395, 7289..7393, 7289..7393, 7535..7711, 7535..7714, 7581..7715, 7581..7727, 7803..7838, 11503..11559, 11509..11559, 11632..11694, 11638..11694		
Seq. No.	19153	Seq. ID	OJ990706_06.9924.C6
Gene No.	40069	Strand	-
Start	9057	End	11694
Name	OJ990706_06.9924.C6.o1.tw	Method	TBLASTX:Wheat
Start	3717	End	11694
GI	none	Score	64
Exons	3717..3776, 3717..3788, 3718..3789, 3894..3944, 3897..3944,		

3898..3945, 6293..6412, 6294..6332, 6295..6411, 6350..6442, 6537..6578, 6538..6579, 11506..11559, 11638..11694

Seq. No.	19153	Seq. ID	OJ990706_06.9924.C6
Gene No.	40069	Strand	-
Start	9057	End	11694
Name	OJ990706_06.9924.C6.o2.gs	Method	GENSCAN
Start	9057	End	10927
GI	none	Score	.55
Exons	9057..9103, 10444..10473, 10675..10927		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40070	Strand	+
Start	299	End	5874
Name	OJ990706_06.9924.C7.o1.np	Method	AAT/NAP
Start	299	End	2960
GI	4581164	Score	1610
Exons	299..1153, 1307..2257, 2443..2960		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40070	Strand	+
Start	299	End	5874
Name	OJ990706_06.9924.C7.o2.np	Method	AAT/NAP
Start	1259	End	5874
GI	3345477	Score	338
Exons	1259..1569, 3645..3765, 3878..3927, 4807..4892, 5113..5239, 5769..5874		
GI Descrip.	(AB016283) carbonic anhydrase [Oryza sativa]		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40071	Strand	+
Start	16211	End	16405
Name	OJ990706_06.9924.C7.o2.gp	Method	AAT/GAP
Start	16211	End	16405
GI	5667165	Score	339
Exons	16211..16405		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40072	Strand	-
Start	7935	End	13601
Name	OJ990706_06.9924.C7.o2.gs	Method	GENSCAN
Start	7935	End	13601
GI	none	Score	.45
Exons	7935..8099, 9080..9163, 9530..9691, 10491..10590, 11905..13601		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o6.tw	Method	TBLASTX:Wheat
Start	86	End	21241
GI	none	Score	70
Exons	86..172, 20842..21006, 20849..21010, 21019..21240, 21086..21241		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o10.tm	Method	TBLASTX:Maize
Start	356	End	20823
GI	none	Score	65
Exons	356..445, 20626..20823, 20627..20773		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o4.tw	Method	TBLASTX:Wheat
Start	398	End	20694
GI	none	Score	355
Exons	398..838, 502..837, 20257..20667, 20257..20694, 20270..20680		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o4.ts	Method	TBLASTX:Soybean
Start	434	End	20658
GI	none	Score	194
Exons	434..748, 20344..20658		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o4.tm	Method	TBLASTX:Maize
Start	455	End	20625
GI	none	Score	376
Exons	455..934, 455..511, 502..897, 20192..20221, 20245..20625, 20270..20554		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o2.ts	Method	TBLASTX:Soybean
Start	890	End	20236
GI	none	Score	299
Exons	890..1207, 934..1104, 20069..20191, 20097..20219, 20183..20236		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o5.tw	Method	TBLASTX:Wheat
Start	929	End	20192
GI	none	Score	269
Exons	929..1207, 970..1104, 20060..20191, 20097..20192		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o3.tm	Method	TBLASTX:Maize
Start	1007	End	20173
GI	none	Score	504
Exons	1007..1426, 1171..1383, 19856..20089, 20078..20173		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o2.tw	Method	TBLASTX:Wheat
Start	1238	End	20054
GI	none	Score	261
Exons	1238..1666, 19628..20053, 19630..19992, 19643..19996, 19665..20054		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o3.ts	Method	TBLASTX:Soybean
Start	1238	End	20047
GI	none	Score	191
Exons	1238..1483, 1255..1383, 19802..20047		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o6.tm	Method	TBLASTX:Maize
Start	1433	End	19856
GI	none	Score	180
Exons	1433..1657, 19618..19848, 19628..19855, 19631..19855, 19680..19856		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o3.tw	Method	TBLASTX:Wheat
Start	1826	End	19585
GI	none	Score	43
Exons	1826..1885, 1895..2140, 1960..2103, 19069..19335, 19070..19585, 19074..19511		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o1.ts	Method	TBLASTX:Soybean
Start	1960	End	19282
GI	none	Score	301
Exons	1960..2295, 1973..2296, 18902..19042, 19095..19262, 19097..19282		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o5.tm	Method	TBLASTX:Maize
Start	1994	End	19213
GI	none	Score	109
Exons	1994..2107, 2114..2269, 18923..19213, 18927..18971, 19032..19202, 19076..19213		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o1.tw	Method	TBLASTX:Wheat
Start	2144	End	19039

GI	none	Score	273
Exons	2144..2527, 2152..2505, 2587..2712, 2597..2725, 18428..19039, 18552..18959		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o1.tm	Method	TBLASTX:Maize
Start	2324	End	18871
GI	none	Score	120
Exons	2324..2497, 2483..2527, 2591..2725, 2762..2845, 2858..2890, 18278..18715, 18288..18497, 18457..18720, 18573..18716, 18713..18871, 18720..18866		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o8.tw	Method	TBLASTX:Wheat
Start	2762	End	18427
GI	none	Score	92
Exons	2762..2848, 2858..2890, 18239..18427		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o9.tm	Method	TBLASTX:Maize
Start	3642	End	3764
GI	none	Score	190
Exons	3642..3764, 3642..3761, 3643..3762, 3644..3763		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o2.tm	Method	TBLASTX:Maize
Start	12810	End	13601
GI	none	Score	87
Exons	12810..12974, 12811..12975, 12978..13508, 13000..13494, 13506..13601		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o3.gs	Method	GENSCAN
Start	14843	End	23304
GI	none	Score	.53
Exons	14843..14916, 16604..16642, 16716..16804, 16809..17078, 17083..17215, 18271..19038, 19105..20276, 20393..20765, 21189..22605, 23009..23304		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o3.np	Method	AAT/NAP
Start	17057	End	22434
GI	4680179	Score	3801
Exons	17057..17094, 18238..21275, 21378..22434		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o8.tm	Method	TBLASTX:Maize
Start	20923	End	21247
GI	none	Score	70
Exons	20923..21246, 21134..21247		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o7.tm	Method	TBLASTX:Maize
Start	21556	End	21957
GI	none	Score	242
Exons	21556..21957		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o7.tw	Method	TBLASTX:Wheat
Start	21838	End	22215
GI	none	Score	60
Exons	21838..21981, 22012..22215, 22097..22198		

Seq. No.	19154	Seq. ID	OJ990706_06.9924.C7
Gene No.	40073	Strand	-
Start	14843	End	23370
Name	OJ990706_06.9924.C7.o4.np	Method	AAT/NAP
Start	22925	End	23370
GI	6002794	Score	728
Exons	22925..23370		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	19155	Seq. ID	OJ990706_06.9924.C8
Gene No.	40074	Strand	-
Start	1	End	704
Name	OJ990706_06.9924.C8.o1.np	Method	AAT/NAP
Start	1	End	704
GI	4680179	Score	648
Exons	1..704		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19155	Seq. ID	OJ990706_06.9924.C8
Gene No.	40074	Strand	-
Start	1	End	704
Name	OJ990706_06.9924.C8.o1.gs	Method	GENSCAN
Start	9	End	637
GI	none	Score	.65
Exons	9..348, 384..637		

Seq. No.	19155	Seq. ID	OJ990706_06.9924.C8
Gene No.	40074	Strand	-
Start	1	End	704
Name	OJ990706_06.9924.C8.o2.tw	Method	TBLASTX:Wheat
Start	15	End	183
GI	none	Score	95

Exons	15..182, 88..183		
Seq. No.	19155	Seq. ID	OJ990706_06.9924.C8
Gene No.	40074	Strand	-
Start	1	End	704
Name	OJ990706_06.9924.C8.o1.tm	Method	TBLASTX:Maize
Start	183	End	616
GI	none	Score	110
Exons	183..212, 236..616, 261..545		
Seq. No.	19155	Seq. ID	OJ990706_06.9924.C8
Gene No.	40074	Strand	-
Start	1	End	704
Name	OJ990706_06.9924.C8.o1.tw	Method	TBLASTX:Wheat
Start	248	End	640
GI	none	Score	237
Exons	248..640, 261..605		
Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40075	Strand	+
Start	1699	End	9758
Name	OJ990706_06.9924.C10.o1.np	Method	AAT/NAP
Start	1699	End	9758
GI	2245029	Score	1099
Exons	1699..1730, 6883..7019, 7187..7303, 8613..8817, 8870..9002, 9053..9758		
GI Descrip.	(Z97341) limonene cyclase like protein [Arabidopsis thaliana]		
Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40075	Strand	+
Start	1699	End	9758
Name	OJ990706_06.9924.C10.o2.gs	Method	GENSCAN
Start	6732	End	9739
GI	none	Score	.84
Exons	6732..6982, 6997..7065, 7187..7303, 8613..8961, 9053..9739		
Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40076	Strand	+
Start	18366	End	20441
Name	OJ990706_06.9924.C10.o5.gs	Method	GENSCAN
Start	18366	End	20441
GI	none	Score	.77
Exons	18366..18798, 19450..19504, 19835..20304, 20356..20441		
Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40077	Strand	-
Start	10174	End	12642
Name	OJ990706_06.9924.C10.o1.gp	Method	AAT/GAP
Start	10174	End	10752
GI	uC-osrocyp008a08a1	Score	921
Exons	10174..10538, 10646..10752		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40077	Strand	-
Start	10174	End	12642

Name	OJ990706_06.9924.C10.o2.np	Method	AAT/NAP
Start	10347	End	12642
GI	4510344	Score	146
Exons	10347..10504, 10642..10739, 11447..11643, 12586..12642		
GI Descrip.	(AC006921) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40077	Strand	-
Start	10174	End	12642
Name	OJ990706_06.9924.C10.o3.gs	Method	GENSCAN
Start	10350	End	12387
GI	none	Score	.96
Exons	10350..10538, 10709..10781, 11447..12387		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40077	Strand	-
Start	10174	End	12642
Name	OJ990706_06.9924.C10.o2.gp	Method	AAT/GAP
Start	11855	End	12383
GI	none	Score	921
Exons	11855..12383		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o1.ts	Method	TBLASTX:Soybean
Start	8611	End	9316
GI	none	Score	320
Exons	8611..8961, 8658..8795, 8883..8960, 9083..9133, 9206..9316		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o2.tc	Method	TBLASTX:Cress
Start	8638	End	8961
GI	none	Score	380
Exons	8638..8961, 8658..8852, 8898..8960		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o2.tm	Method	TBLASTX:Maize
Start	8848	End	9232
GI	none	Score	152
Exons	8848..8961, 8895..8960, 9046..9219, 9053..9232		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o1.tw	Method	TBLASTX:Wheat
Start	9203	End	9625
GI	none	Score	101
Exons	9203..9292, 9205..9297, 9206..9298, 9356..9457, 9368..9442, 9408..9446, 9437..9625, 9440..9616		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-

Start	14478	End	19277
Name	OJ990706_06.9924.C10.o1.tc	Method	TBLASTX:Cress
Start	9365	End	9730
GI	none	Score	417
Exons	9365..9730, 9379..9729		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o4.tm	Method	TBLASTX:Maize
Start	9365	End	9592
GI	none	Score	207
Exons	9365..9592, 9368..9538, 9394..9564		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o2.ts	Method	TBLASTX:Soybean
Start	9401	End	9715
GI	none	Score	245
Exons	9401..9628, 9403..9612, 9623..9715, 9628..9714		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o1.tm	Method	TBLASTX:Maize
Start	14457	End	16285
GI	none	Score	283
Exons	14457..14759, 14462..14761, 14493..14756, 15067..15204, 15069..15206, 15069..15203, 15281..15502, 15288..15503, 15970..16092, 15973..16083, 15975..16097, 16177..16284, 16178..16282, 16178..16285		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o3.np	Method	AAT/NAP
Start	14469	End	19277
GI	3249072	Score	1175
Exons	14469..14754, 15067..15203, 15290..15481, 15975..16083, 16179..16309, 16384..16481, 17303..17405, 17503..17612, 19245..19277		
GI Descrip.	(AC004473) Contains similarity to hypothetical 43.1 KD protein in NDK-GCPE intergenic region gb|493519 from E. coli sequence gb|U02965. [Arabidopsis thaliana]		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-
Start	14478	End	19277
Name	OJ990706_06.9924.C10.o4.gs	Method	GENSCAN
Start	14478	End	17673
GI	none	Score	.63
Exons	14478..14754, 15067..15203, 15317..15481, 15975..16083, 16179..16309, 16384..16481, 17303..17405, 17503..17673		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40078	Strand	-

Start	14478	End	19277
Name	OJ990706_06.9924.C10.o3.ts	Method	TBLASTX:Soybean
Start	15096	End	15425
GI	none	Score	88
Exons	15096..15203, 15097..15204, 15098..15235, 15099..15227, 15298..15420, 15302..15424, 15302..15424, 15303..15425, 15315..15425		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40079	Strand	
Start	20019	End	21822
Name	OJ990706_06.9924.C10.o3.tm	Method	TBLASTX:Maize
Start	20019	End	21822
GI	none	Score	102
Exons	20019..20084, 20192..20302, 20193..20303, 21713..21820, 21726..21821, 21726..21821, 21727..21822, 21730..21822		

Seq. No.	19156	Seq. ID	OJ990706_06.9924.C10
Gene No.	40079	Strand	
Start	20019	End	21822
Name	OJ990706_06.9924.C10.o4.ts	Method	TBLASTX:Soybean
Start	20022	End	20321
GI	5677051	Score	93
Exons	20022..20084, 20097..20321, 20201..20308		
GI Descrip.	2244835/emb_CAB10257_ 4.0e-13 (Z97337) protein kinase homolog [Arabidopsis thaliana]		

Seq. No.	19157	Seq. ID	OJ990706_06.9924.C11
Gene No.	40080	Strand	-
Start	1	End	293
Name	OJ990706_06.9924.C11.o1.np	Method	AAT/NAP
Start	1	End	293
GI	6002794	Score	428
Exons	1..293		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	19157	Seq. ID	OJ990706_06.9924.C11
Gene No.	40081	Strand	-
Start	876	End	968
Name	OJ990706_06.9924.C11.o2.gs	Method	GENSCAN
Start	876	End	968
GI	none	Score	.73
Exons	876..968		

Seq. No.	19158	Seq. ID	OJ990706_06.9924.C12
Gene No.	40082	Strand	+
Start	1	End	588
Name	OJ990706_06.9924.C12.o1.np	Method	AAT/NAP
Start	1	End	588
GI	6907086	Score	586
Exons	1..433, 494..588		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19158	Seq. ID	OJ990706_06.9924.C12
Gene No.	40082	Strand	+
Start	1	End	588
Name	OJ990706_06.9924.C12.o1.gs	Method	GENSCAN

Start	96	End	408
GI	none	Score	.73
Exons	96..408		

Seq. No.	19159	Seq. ID	OJ990706_01.9921.C1
Gene No.	40083	Strand	+
Start	1	End	278
Name	OJ990706_01.9921.C1.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	342_1.R1084	Score	524
Exons	1..278		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19159	Seq. ID	OJ990706_01.9921.C1
Gene No.	40083	Strand	+
Start	1	End	278
Name	OJ990706_01.9921.C1.o1.tw	Method	TBLASTX:Wheat
Start	10	End	277
GI	none	Score	342
Exons	10..276, 11..277		

Seq. No.	19159	Seq. ID	OJ990706_01.9921.C1
Gene No.	40083	Strand	+
Start	1	End	278
Name	OJ990706_01.9921.C1.o1.tm	Method	TBLASTX:Maize
Start	53	End	277
GI	none	Score	213
Exons	53..277, 64..276		

Seq. No.	19160	Seq. ID	OJ990706_01.9921.C2
Gene No.	40084	Strand	
Start	1	End	693
Name	OJ990706_01.9921.C2.o1.tw	Method	TBLASTX:Wheat
Start	1	End	693
GI	none	Score	86
Exons	1..48, 2..97, 338..409, 472..693, 474..548		

Seq. No.	19161	Seq. ID	OJ990706_01.9921.C3
Gene No.	40085	Strand	+
Start	1	End	638
Name	OJ990706_01.9921.C3.o1.gp	Method	AAT/GAP
Start	1	End	638
GI	342_1.R1084	Score	924
Exons	1..638		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19162	Seq. ID	OJ990706_01.9921.C5
Gene No.	40086	Strand	-
Start	1481	End	1630
Name	OJ990706_01.9921.C5.o1.gp	Method	AAT/GAP
Start	1481	End	1630
GI	21474_1.R1084	Score	243
Exons	1481..1630		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	19163	Seq. ID	OJ990706_01.9921.C7
Gene No.	40087	Strand	
Start	552	End	767
Name	OJ990706_01.9921.C7.o1.tw	Method	TBLASTX:Wheat
Start	552	End	767
GI	none	Score	134
Exons	552..767, 559..765		

Seq. No.	19164	Seq. ID	OJ990706_01.9921.C15
Gene No.	40088	Strand	-
Start	1	End	1388
Name	OJ990706_01.9921.C15.o1.gp	Method	AAT/GAP
Start	1	End	1388
GI	2310235	Score	305
Exons	1..29, 801..940, 1351..1388		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	19164	Seq. ID	OJ990706_01.9921.C15
Gene No.	40089	Strand	-
Start	1918	End	2038
Name	OJ990706_01.9921.C15.o1.ts	Method	TBLASTX:Soybean
Start	177	End	467
GI	none	Score	103
Exons	177..242, 249..467, 253..459		

Seq. No.	19164	Seq. ID	OJ990706_01.9921.C15
Gene No.	40089	Strand	-
Start	1918	End	2038
Name	OJ990706_01.9921.C15.o1.tw	Method	TBLASTX:Wheat
Start	234	End	589
GI	none	Score	157
Exons	234..491, 247..489, 249..500, 250..492, 483..524, 515..589		

Seq. No.	19164	Seq. ID	OJ990706_01.9921.C15
Gene No.	40089	Strand	-
Start	1918	End	2038
Name	OJ990706_01.9921.C15.o2.gp	Method	AAT/GAP
Start	1918	End	2038
GI	55507_1.R1084	Score	129
Exons	1918..2038		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-16 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	19165	Seq. ID	OJ990706_01.9921.C18
Gene No.	40090	Strand	+
Start	2576	End	2958
Name	OJ990706_01.9921.C18.o1.gp	Method	AAT/GAP
Start	2576	End	2958
GI	uC-osflcyp033a04b1	Score	692
Exons	2576..2958		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19165	Seq. ID	OJ990706_01.9921.C18
Gene No.	40091	Strand	

Start	4438	End	4977
Name	OJ990706_01.9921.C18.o1.tw	Method	TBLASTX:Wheat
Start	4438	End	4797
GI	none	Score	278
Exons	4438..4797, 4440..4793		

Seq. No.	19165	Seq. ID	OJ990706_01.9921.C18
Gene No.	40091	Strand	
Start	4438	End	4977
Name	OJ990706_01.9921.C18.o1.tm	Method	TBLASTX:Maize
Start	4678	End	4977
GI	none	Score	222
Exons	4678..4977, 4692..4781		

Seq. No.	19166	Seq. ID	OJ990706_01.9921.C23
Gene No.	40092	Strand	
Start	213	End	891
Name	OJ990706_01.9921.C23.o1.tm	Method	TBLASTX:Maize
Start	213	End	795
GI	none	Score	126
Exons	213..335, 214..366, 366..671, 367..675, 715..795, 717..743		

Seq. No.	19166	Seq. ID	OJ990706_01.9921.C23
Gene No.	40092	Strand	
Start	213	End	891
Name	OJ990706_01.9921.C23.o1.tw	Method	TBLASTX:Wheat
Start	504	End	891
GI	none	Score	190
Exons	504..653, 505..681, 505..654, 694..891, 702..749, 706..795, 728..814		

Seq. No.	19166	Seq. ID	OJ990706_01.9921.C23
Gene No.	40093	Strand	
Start	2588	End	2779
Name	OJ990706_01.9921.C23.o2.tw	Method	TBLASTX:Wheat
Start	2588	End	2779
GI	none	Score	92
Exons	2588..2641, 2591..2644, 2650..2778, 2651..2779		

Seq. No.	19167	Seq. ID	OJ990706_01.9921.C33
Gene No.	40094	Strand	+
Start	3393	End	3816
Name	OJ990706_01.9921.C33.o1.gp	Method	AAT/GAP
Start	3393	End	3816
GI	none	Score	803
Exons	3393..3816		

Seq. No.	19168	Seq. ID	OJ990706_01.9921.C34
Gene No.	40095	Strand	
Start	3321	End	3533
Name	OJ990706_01.9921.C34.o1.tm	Method	TBLASTX:Maize
Start	3321	End	3533
GI	none	Score	112
Exons	3321..3533, 3325..3513		

Seq. No.	19168	Seq. ID	OJ990706_01.9921.C34
Gene No.	40096	Strand	

Start	4108	End	5241
Name	OJ990706_01.9921.C34.o2.tm	Method	TBLASTX:Maize
Start	4108	End	5241
GI	none	Score	40
Exons	4108..4230, 4110..4223, 4223..4345, 4228..4452, 5095..5241		

Seq. No.	19169	Seq. ID	OJ990706_01.9921.C35
Gene No.	40097	Strand	-
Start	298	End	359
Name	OJ990706_01.9921.C35.o1.gp	Method	AAT/GAP
Start	298	End	359
GI	LIB3477-003-P1-K1-E9	Score	81
Exons	298..359		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19170	Seq. ID	OJ990706_01.9921.C36
Gene No.	40098	Strand	+
Start	747	End	1119
Name	OJ990706_01.9921.C36.o1.gp	Method	AAT/GAP
Start	747	End	1119
GI	uC-osflcyp033a04b1	Score	516
Exons	747..1119		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19171	Seq. ID	OJ990706_01.9921.C38
Gene No.	40099	Strand	+
Start	74	End	813
Name	OJ990706_01.9921.C38.o1.gp	Method	AAT/GAP
Start	74	End	813
GI	none	Score	1456
Exons	74..813		

Seq. No.	19172	Seq. ID	OJ990706_01.9921.C41
Gene No.	40100	Strand	
Start	341	End	786
Name	OJ990706_01.9921.C41.o1.ts	Method	TBLASTX:Soybean
Start	341	End	786
GI	5509260	Score	173
Exons	341..679, 344..547, 706..786, 707..778		
GI Descrip.	-		

Seq. No.	19172	Seq. ID	OJ990706_01.9921.C41
Gene No.	40101	Strand	
Start	1232	End	1576
Name	OJ990706_01.9921.C41.o2.tm	Method	TBLASTX:Maize
Start	1232	End	1522
GI	none	Score	271
Exons	1232..1522, 1366..1521		

Seq. No.	19172	Seq. ID	OJ990706_01.9921.C41
Gene No.	40101	Strand	
Start	1232	End	1576
Name	OJ990706_01.9921.C41.o2.ts	Method	TBLASTX:Soybean
Start	1232	End	1576

GI	none	Score	91
Exons	1232..1351, 1346..1576		

Seq. No.	19172	Seq. ID	OJ990706_01.9921.C41
Gene No.	40102	Strand	
Start	1523	End	1953
Name	OJ990706_01.9921.C41.o1.tm	Method	TBLASTX:Maize
Start	1523	End	1953
GI	none	Score	139
Exons	1523..1618, 1528..1620, 1675..1902, 1679..1900, 1688..1903, 1735..1902, 1909..1953		

Seq. No.	19173	Seq. ID	OJ990706_01.9921.C42
Gene No.	40103	Strand	-
Start	330	End	731
Name	OJ990706_01.9921.C42.o1.gp	Method	AAT/GAP
Start	330	End	731
GI	LIB3433-016-Q6-K6-F12	Score	681
Exons	330..731		
GI Descrip.	'5730046/ref|NM_006632.1|SLC17A3| 2.0e-09 Homo sapiens solute carrier family 17 (sodium phosphate), member 3 (SLC17A3) mRNA >gi_2062691_gb_U90545_HSU90545 Human sodium phosphate transporter (NPT4) mRNA, complete cds'		

Seq. No.	19174	Seq. ID	OJ990706_01.9921.C43
Gene No.	40104	Strand	-
Start	3745	End	3852
Name	OJ990706_01.9921.C43.o1.gp	Method	AAT/GAP
Start	3745	End	3852
GI	uC-osflcyp088b12b1	Score	130
Exons	3745..3852		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19175	Seq. ID	OJ990706_01.9921.C44
Gene No.	40105	Strand	-
Start	4532	End	4621
Name	OJ990706_01.9921.C44.o1.gp	Method	AAT/GAP
Start	4532	End	4621
GI	uC-osflcyp088b12b1	Score	129
Exons	4532..4621		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19176	Seq. ID	OJ990706_01.9921.C47
Gene No.	40106	Strand	
Start	3439	End	3921
Name	OJ990706_01.9921.C47.o1.tw	Method	TBLASTX:Wheat
Start	3439	End	3921
GI	none	Score	185
Exons	3439..3729, 3464..3739, 3847..3921		

Seq. No.	19176	Seq. ID	OJ990706_01.9921.C47
Gene No.	40106	Strand	
Start	3439	End	3921
Name	OJ990706_01.9921.C47.o1.tm	Method	TBLASTX:Maize
Start	3448	End	3921

GI	none	Score	177
Exons	3448..3729, 3461..3739, 3847..3921		

Seq. No.	19177	Seq. ID	OJ990626_31.9A14.C1
Gene No.	40107	Strand	+
Start	491	End	592
Name	OJ990626_31.9A14.C1.o1.np	Method	AAT/NAP
Start	491	End	592
GI	2498930	Score	51
Exons	491..592		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	19177	Seq. ID	OJ990626_31.9A14.C1
Gene No.	40108	Strand	-
Start	197	End	484
Name	OJ990626_31.9A14.C1.o1.gs	Method	GENSCAN
Start	197	End	484
GI	none	Score	.63
Exons	197..358, 440..484		

Seq. No.	19178	Seq. ID	OJ990626_31.9A14.C2
Gene No.	40109	Strand	+
Start	1	End	269
Name	OJ990626_31.9A14.C2.o1.np	Method	AAT/NAP
Start	1	End	266
GI	6755654	Score	363
Exons	1..266		
GI Descrip.	sprouty homolog 4 (Drosophila) gi|5917720|gb|AAD56007.1|AF176906_1 (AF176906) sprouty 4 [Mus musculus]		

Seq. No.	19178	Seq. ID	OJ990626_31.9A14.C2
Gene No.	40109	Strand	+
Start	1	End	269
Name	OJ990626_31.9A14.C2.o1.gs	Method	GENSCAN
Start	139	End	269
GI	none	Score	.97
Exons	139..269		

Seq. No.	19179	Seq. ID	OJ990626_31.9A14.C3
Gene No.	40110	Strand	+
Start	1	End	92
Name	OJ990626_31.9A14.C3.o1.np	Method	AAT/NAP
Start	1	End	92
GI	558956	Score	154
Exons	1..92		
GI Descrip.	(U15659) cytochrome oxidase subunit I [Xenopus laevis]		

Seq. No.	19180	Seq. ID	OJ990626_31.9A14.C5
Gene No.	40111	Strand	+
Start	595	End	846
Name	OJ990626_31.9A14.C5.o1.gs	Method	GENSCAN
Start	595	End	846
GI	none	Score	.43
Exons	595..709, 803..846		

Seq. No.	19181	Seq. ID	OJ990626_31.9A14.C6
Gene No.	40112	Strand	+
Start	656	End	1438
Name	OJ990626_31.9A14.C6.o1.gs	Method	GENSCAN
Start	656	End	1438
GI	none	Score	1
Exons	656..1438		

Seq. No.	19181	Seq. ID	OJ990626_31.9A14.C6
Gene No.	40112	Strand	+
Start	656	End	1438
Name	OJ990626_31.9A14.C6.o2.np	Method	AAT/NAP
Start	1028	End	1301
GI	5091511	Score	155
Exons	1028..1301		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana RING-H2 finger protein RHX1a mRNA, partial cds.(AF079184) [Oryza sativa]		

Seq. No.	19181	Seq. ID	OJ990626_31.9A14.C6
Gene No.	40113	Strand	-
Start	1	End	199
Name	OJ990626_31.9A14.C6.o1.np	Method	AAT/NAP
Start	1	End	199
GI	6539585	Score	105
Exons	1..199		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	19181	Seq. ID	OJ990626_31.9A14.C6
Gene No.	40114	Strand	-
Start	3209	End	3523
Name	OJ990626_31.9A14.C6.o2.gs	Method	GENSCAN
Start	3209	End	3523
GI	none	Score	.46
Exons	3209..3366, 3380..3523		

Seq. No.	19182	Seq. ID	OJ990626_31.9A14.C9
Gene No.	40115	Strand	+
Start	1443	End	2537
Name	OJ990626_31.9A14.C9.o1.gs	Method	GENSCAN
Start	1443	End	2537
GI	none	Score	.5
Exons	1443..1535, 1967..2105, 2160..2297, 2363..2537		

Seq. No.	19183	Seq. ID	OJ990626_31.9A14.C10
Gene No.	40116	Strand	-
Start	1272	End	1463
Name	OJ990626_31.9A14.C10.o1.gs	Method	GENSCAN
Start	1272	End	1463
GI	none	Score	.89
Exons	1272..1463		

Seq. No.	19184	Seq. ID	OJ990626_31.9A14.C11
Gene No.	40117	Strand	+
Start	1144	End	1761
Name	OJ990626_31.9A14.C11.o1.ts	Method	TBLASTX:Soybean
Start	1130	End	1549
GI	none	Score	74

Exons	1130..1252, 1131..1247, 1142..1249, 1147..1257, 1358..1549		
Seq. No.	19184	Seq. ID	OJ990626_31.9A14.C11
Gene No.	40117	Strand	+
Start	1144	End	1761
Name	OJ990626_31.9A14.C11.o1.np	Method	AAT/NAP
Start	1144	End	1588
GI	6691202	Score	198
Exons	1144..1255, 1367..1588		
GI Descrip.	(AC007508) F1K23.5 [Arabidopsis thaliana]		
Seq. No.	19184	Seq. ID	OJ990626_31.9A14.C11
Gene No.	40117	Strand	+
Start	1144	End	1761
Name	OJ990626_31.9A14.C11.o1.gp	Method	AAT/GAP
Start	1355	End	1761
GI	none	Score	758
Exons	1355..1761		
Seq. No.	19185	Seq. ID	OJ990626_31.9A14.C13
Gene No.	40118	Strand	-
Start	1	End	494
Name	OJ990626_31.9A14.C13.o1.np	Method	AAT/NAP
Start	1	End	494
GI	3881381	Score	282
Exons	1..108, 163..494		
GI Descrip.	(Z68270) Similarity to Yeast Man(0)-alpha-mannosidase (SW:MNS1_YEAST); cDNA EST EMBL:D71247 comes from this gene; cDNA EST EMBL:D73896 comes from this gene [Caenorhabditis elegans]		
Seq. No.	19185	Seq. ID	OJ990626_31.9A14.C13
Gene No.	40118	Strand	-
Start	1	End	494
Name	OJ990626_31.9A14.C13.o1.ts	Method	TBLASTX:Soybean
Start	2	End	492
GI	none	Score	47
Exons	2..172, 5..94, 6..113, 148..309, 155..310, 155..487, 201..347, 381..485, 385..492		
Seq. No.	19185	Seq. ID	OJ990626_31.9A14.C13
Gene No.	40118	Strand	-
Start	1	End	494
Name	OJ990626_31.9A14.C13.o1.gs	Method	GENSCAN
Start	25	End	409
GI	none	Score	.49
Exons	25..409		
Seq. No.	19185	Seq. ID	OJ990626_31.9A14.C13
Gene No.	40118	Strand	-
Start	1	End	494
Name	OJ990626_31.9A14.C13.o1.tw	Method	TBLASTX:Wheat
Start	62	End	467
GI	none	Score	93
Exons	62..169, 62..166, 64..168, 146..331, 146..466, 201..467		
Seq. No.	19185	Seq. ID	OJ990626_31.9A14.C13
Gene No.	40118	Strand	-

Start	1	End	494
Name	OJ990626_31.9A14.C13.o1.tm	Method	TBLASTX:Maize
Start	71	End	490
GI	none	Score	64
Exons	71..166, 72..143, 150..284, 158..331, 158..484, 201..347, 378..488, 381..485, 386..490		

Seq. No.	19185	Seq. ID	OJ990626_31.9A14.C13
Gene No.	40118	Strand	-
Start	1	End	494
Name	OJ990626_31.9A14.C13.o1.tc	Method	TBLASTX:Cress
Start	257	End	439
GI	none	Score	63
Exons	257..439, 297..419		

Seq. No.	19186	Seq. ID	OJ990626_31.9A14.C14
Gene No.	40119	Strand	+
Start	2523	End	3969
Name	OJ990626_31.9A14.C14.o1.gs	Method	GENSCAN
Start	2523	End	3969
GI	none	Score	.65
Exons	2523..2676, 3812..3969		

Seq. No.	19186	Seq. ID	OJ990626_31.9A14.C14
Gene No.	40120	Strand	+
Start	5981	End	6464
Name	OJ990626_31.9A14.C14.o3.gs	Method	GENSCAN
Start	5981	End	6464
GI	none	Score	.45
Exons	5981..6039, 6370..6464		

Seq. No.	19186	Seq. ID	OJ990626_31.9A14.C14
Gene No.	40121	Strand	-
Start	4976	End	5432
Name	OJ990626_31.9A14.C14.o2.gs	Method	GENSCAN
Start	4976	End	5432
GI	none	Score	.66
Exons	4976..5051, 5291..5339, 5357..5432		

Seq. No.	19187	Seq. ID	OJ990626_31.9A14.C16
Gene No.	40122	Strand	+
Start	1628	End	4106
Name	OJ990626_31.9A14.C16.o1.gs	Method	GENSCAN
Start	1628	End	4106
GI	none	Score	.5
Exons	1628..2040, 3338..3459, 3659..3860, 3983..4106		

Seq. No.	19187	Seq. ID	OJ990626_31.9A14.C16
Gene No.	40122	Strand	+
Start	1628	End	4106
Name	OJ990626_31.9A14.C16.o1.gp	Method	AAT/GAP
Start	3518	End	3879
GI	none	Score	616
Exons	3518..3879		

Seq. No.	19187	Seq. ID	OJ990626_31.9A14.C16
Gene No.	40123	Strand	-

Start	430	End	4306
Name	OJ990626_31.9A14.C16.o1.np	Method	AAT/NAP
Start	430	End	4306
GI	6063554	Score	232
Exons	430..602, 1647..1691, 1776..1977, 4220..4306		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19187	Seq. ID	OJ990626_31.9A14.C16
Gene No.	40123	Strand	-
Start	430	End	4306
Name	OJ990626_31.9A14.C16.o1.tm	Method	TBLASTX:Maize
Start	3771	End	4108
GI	none	Score	54
Exons	3771..3860, 3776..3814, 3829..3861, 3983..4108, 4020..4103		

Seq. No.	19188	Seq. ID	OJ990626_31.9A14.C17
Gene No.	40124	Strand	+
Start	311	End	1467
Name	OJ990626_31.9A14.C17.o1.gs	Method	GENSCAN
Start	311	End	1467
GI	none	Score	.59
Exons	311..353, 1309..1467		

Seq. No.	19189	Seq. ID	OJ990626_31.9A14.C18
Gene No.	40125	Strand	+
Start	1	End	1046
Name	OJ990626_31.9A14.C18.o1.np	Method	AAT/NAP
Start	1	End	1046
GI	2222798	Score	96
Exons	1..24, 796..1046		
GI Descrip.	(Y14008) gibberellin 20-oxidase [Triticum aestivum]		

Seq. No.	19190	Seq. ID	OJ990626_31.9A14.C19
Gene No.	40126	Strand	+
Start	799	End	2524
Name	OJ990626_31.9A14.C19.o1.np	Method	AAT/NAP
Start	799	End	2524
GI	1666096	Score	324
Exons	799..869, 2172..2524		
GI Descrip.	(Y09113) dioxygenase [Marah macrocarpus]		

Seq. No.	19190	Seq. ID	OJ990626_31.9A14.C19
Gene No.	40127	Strand	+
Start	3255	End	4761
Name	OJ990626_31.9A14.C19.o1.tm	Method	TBLASTX:Maize
Start	2160	End	2523
GI	none	Score	391
Exons	2160..2333, 2170..2523, 2258..2518, 2364..2522, 2368..2523		

Seq. No.	19190	Seq. ID	OJ990626_31.9A14.C19
Gene No.	40127	Strand	+
Start	3255	End	4761
Name	OJ990626_31.9A14.C19.o1.ts	Method	TBLASTX:Soybean
Start	2160	End	2523
GI	none	Score	391

Exons	2160..2333, 2170..2523, 2258..2518, 2364..2522, 2368..2523		
Seq. No.	19190	Seq. ID	OJ990626_31.9A14.C19
Gene No.	40127	Strand	+
Start	3255	End	4761
Name	OJ990626_31.9A14.C19.o1.gp	Method	AAT/GAP
Start	3255	End	4761
GI	21017_1.R1084	Score	2921
Exons	3255..4761		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-22 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		
Seq. No.	19191	Seq. ID	OJ990626_31.9A14.C20
Gene No.	40128	Strand	+
Start	408	End	546
Name	OJ990626_31.9A14.C20.o1.gs	Method	GENSCAN
Start	408	End	546
GI	none	Score	.73
Exons	408..546		
Seq. No.	19192	Seq. ID	OJ990626_31.9A14.C21
Gene No.	40129	Strand	+
Start	1	End	1142
Name	OJ990626_31.9A14.C21.o1.np	Method	AAT/NAP
Start	1	End	1142
GI	6066222	Score	455
Exons	1..121, 259..313, 356..456, 622..734, 896..1142		
GI Descrip.	(AF148509) alpha 1,2-mannosidase [Homo sapiens]		
Seq. No.	19192	Seq. ID	OJ990626_31.9A14.C21
Gene No.	40129	Strand	+
Start	1	End	1142
Name	OJ990626_31.9A14.C21.o1.gs	Method	GENSCAN
Start	8	End	1093
GI	none	Score	.95
Exons	8..121, 259..456, 586..734, 896..1093		
Seq. No.	19192	Seq. ID	OJ990626_31.9A14.C21
Gene No.	40130	Strand	-
Start	1174	End	1307
Name	OJ990626_31.9A14.C21.o2.ts	Method	TBLASTX:Soybean
Start	2	End	399
GI	none	Score	206
Exons	2..127, 2..124, 4..126, 252..296, 258..329, 259..399, 259..399		
Seq. No.	19192	Seq. ID	OJ990626_31.9A14.C21
Gene No.	40130	Strand	-
Start	1174	End	1307
Name	OJ990626_31.9A14.C21.o2.tm	Method	TBLASTX:Maize
Start	5	End	339
GI	none	Score	137
Exons	5..88, 5..100, 6..101, 97..126, 101..127, 223..324, 233..334, 252..338, 258..338, 259..339		
Seq. No.	19192	Seq. ID	OJ990626_31.9A14.C21
Gene No.	40130	Strand	-
Start	1174	End	1307

Name	OJ990626_31.9A14.C21.o1.tm	Method	TBLASTX:Maize
Start	340	End	1189
GI	none	Score	187
Exons	340..456, 346..456, 348..458, 580..735, 583..738, 585..737, 893..1189, 894..1157		

Seq. No.	19192	Seq. ID	OJ990626_31.9A14.C21
Gene No.	40130	Strand	-
Start	1174	End	1307
Name	OJ990626_31.9A14.C21.o1.ts	Method	TBLASTX:Soybean
Start	408	End	1070
GI	none	Score	77
Exons	408..458, 409..456, 419..478, 420..458, 591..722, 592..735, 592..729, 890..1060, 894..1070, 896..1069		

Seq. No.	19192	Seq. ID	OJ990626_31.9A14.C21
Gene No.	40130	Strand	-
Start	1174	End	1307
Name	OJ990626_31.9A14.C21.o1.tc	Method	TBLASTX:Cress
Start	670	End	1154
GI	none	Score	71
Exons	670..723, 893..958, 897..959, 897..989, 1008..1154, 1008..1124, 1010..1132		

Seq. No.	19192	Seq. ID	OJ990626_31.9A14.C21
Gene No.	40130	Strand	-
Start	1174	End	1307
Name	OJ990626_31.9A14.C21.o1.gp	Method	AAT/GAP
Start	1174	End	1307
GI	none	Score	257
Exons	1174..1307		

Seq. No.	19193	Seq. ID	OJ990626_31.9A14.C22
Gene No.	40131	Strand	+
Start	569	End	907
Name	OJ990626_31.9A14.C22.o1.gp	Method	AAT/GAP
Start	569	End	907
GI	none	Score	674
Exons	569..907		

Seq. No.	19193	Seq. ID	OJ990626_31.9A14.C22
Gene No.	40132	Strand	-
Start	2150	End	2502
Name	OJ990626_31.9A14.C22.o2.gp	Method	AAT/GAP
Start	2150	End	2502
GI	5038647	Score	608
Exons	2150..2502		

Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o1.np	Method	AAT/NAP
Start	1	End	1719
GI	130582	Score	1401
Exons	1..1719		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE]		

gi|100342|pir||S04273 hypothetical protein - common tobacco
gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]

Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o3.tw	Method	TBLASTX:Wheat
Start	87	End	357
GI	none	Score	283
Exons	87..356, 88..357		

Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o3.tm	Method	TBLASTX:Maize
Start	354	End	783
GI	none	Score	317
Exons	354..650, 355..783		

Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o1.tw	Method	TBLASTX:Wheat
Start	358	End	1137
GI	none	Score	320
Exons	358..687, 360..671, 682..1137		

Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o1.ts	Method	TBLASTX:Soybean
Start	379	End	768
GI	none	Score	381
Exons	379..768, 381..671, 503..727		

Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o2.tm	Method	TBLASTX:Maize
Start	790	End	1240
GI	none	Score	114
Exons	790..948, 798..878, 910..1227, 924..1235, 924..1199, 989..1240		

Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o1.tc	Method	TBLASTX:Cress
Start	1120	End	1713
GI	none	Score	59
Exons	1120..1239, 1234..1338, 1348..1485, 1501..1713		

Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o2.tw	Method	TBLASTX:Wheat
Start	1215	End	1686
GI	none	Score	170

Exons	1215..1454, 1264..1467, 1318..1470, 1486..1686, 1497..1631		
Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o1.tm	Method	TBLASTX:Maize
Start	1291	End	1713
GI	none	Score	557
Exons	1291..1713, 1308..1709		
Seq. No.	19194	Seq. ID	OJ990626_31.9A14.C25
Gene No.	40133	Strand	+
Start	1	End	1719
Name	OJ990626_31.9A14.C25.o2.ts	Method	TBLASTX:Soybean
Start	1312	End	1710
GI	none	Score	287
Exons	1312..1587, 1314..1574, 1321..1584, 1597..1710		
Seq. No.	19195	Seq. ID	OJ990626_31.9A14.C26
Gene No.	40134	Strand	-
Start	2680	End	3984
Name	OJ990626_31.9A14.C26.o1.gp	Method	AAT/GAP
Start	2420	End	2897
GI	23986_1.R1084	Score	916
Exons	2420..2897		
GI Descrip.	'5734636/dbj|BAA83367.1| 6.0e-51 (AP000391) Similar to putative lipase (AC006232) [Oryza sativa]'		
Seq. No.	19195	Seq. ID	OJ990626_31.9A14.C26
Gene No.	40134	Strand	-
Start	2680	End	3984
Name	OJ990626_31.9A14.C26.o1.tm	Method	TBLASTX:Maize
Start	2630	End	2905
GI	none	Score	304
Exons	2630..2905, 2679..2753, 2680..2898		
Seq. No.	19195	Seq. ID	OJ990626_31.9A14.C26
Gene No.	40134	Strand	-
Start	2680	End	3984
Name	OJ990626_31.9A14.C26.o1.ts	Method	TBLASTX:Soybean
Start	2672	End	2863
GI	none	Score	108
Exons	2672..2863, 2689..2862		
Seq. No.	19195	Seq. ID	OJ990626_31.9A14.C26
Gene No.	40134	Strand	-
Start	2680	End	3984
Name	OJ990626_31.9A14.C26.o2.gs	Method	GENSCAN
Start	2680	End	3984
GI	none	Score	.98
Exons	2680..2897, 3963..3984		
Seq. No.	19195	Seq. ID	OJ990626_31.9A14.C26
Gene No.	40134	Strand	-
Start	2680	End	3984
Name	OJ990626_31.9A14.C26.o1.np	Method	AAT/NAP
Start	2683	End	2897

GI	5734636	Score	203
Exons	2683..2897		
GI Descrip.	(AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		

Seq. No.	19195	Seq. ID	OJ990626_31.9A14.C26
Gene No.	40134	Strand	-
Start	2680	End	3984
Name	OJ990626_31.9A14.C26.o1.tw	Method	TBLASTX:Wheat
Start	2685	End	2903
GI	none	Score	89
Exons	2685..2750, 2686..2772, 2686..2880, 2690..2875, 2690..2902, 2841..2903		

Seq. No.	19195	Seq. ID	OJ990626_31.9A14.C26
Gene No.	40134	Strand	-
Start	2680	End	3984
Name	OJ990626_31.9A14.C26.o1.tc	Method	TBLASTX:Cress
Start	2692	End	2863
GI	none	Score	96
Exons	2692..2853, 2693..2863		

Seq. No.	19196	Seq. ID	OJ990626_31.9A14.C27
Gene No.	40135	Strand	-
Start	53	End	975
Name	OJ990626_31.9A14.C27.o1.tm	Method	TBLASTX:Maize
Start	48	End	843
GI	none	Score	134
Exons	48..203, 53..202, 390..599, 391..594, 673..780, 674..781, 775..843, 776..841		

Seq. No.	19196	Seq. ID	OJ990626_31.9A14.C27
Gene No.	40135	Strand	-
Start	53	End	975
Name	OJ990626_31.9A14.C27.o1.gs	Method	GENSCAN
Start	53	End	909
GI	none	Score	.99
Exons	53..201, 386..592, 672..909		

Seq. No.	19196	Seq. ID	OJ990626_31.9A14.C27
Gene No.	40135	Strand	-
Start	53	End	975
Name	OJ990626_31.9A14.C27.o1.np	Method	AAT/NAP
Start	362	End	954
GI	5734634	Score	327
Exons	362..592, 672..954		
GI Descrip.	(AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		

Seq. No.	19196	Seq. ID	OJ990626_31.9A14.C27
Gene No.	40135	Strand	-
Start	53	End	975
Name	OJ990626_31.9A14.C27.o1.gp	Method	AAT/GAP
Start	425	End	975
GI	44856_1.R1084	Score	873
Exons	425..592, 672..975		
GI Descrip.	'5734634/dbj|BAA83365.1| 2.0e-28 (AP000391) Similar to putative lipase (AC006232) [Oryza sativa]'		

Seq. No.	19196	Seq. ID	OJ990626_31.9A14.C27
Gene No.	40135	Strand	-
Start	53	End	975
Name	OJ990626_31.9A14.C27.o1.tw	Method	TBLASTX:Wheat
Start	427	End	843
GI	none	Score	243
Exons	427..594, 427..480, 429..599, 673..843, 674..841		

Seq. No.	19196	Seq. ID	OJ990626_31.9A14.C27
Gene No.	40135	Strand	-
Start	53	End	975
Name	OJ990626_31.9A14.C27.o1.ts	Method	TBLASTX:Soybean
Start	465	End	837
GI	none	Score	55
Exons	465..554, 472..555, 673..747, 677..748, 787..837, 788..823		

Seq. No.	19197	Seq. ID	OJ990626_31.9A14.C28
Gene No.	40136	Strand	-
Start	49	End	307
Name	OJ990626_31.9A14.C28.o1.np	Method	AAT/NAP
Start	49	End	305
GI	6691209	Score	199
Exons	49..305		
GI Descrip.	(AC007508) F1K23.14 [Arabidopsis thaliana]		

Seq. No.	19197	Seq. ID	OJ990626_31.9A14.C28
Gene No.	40136	Strand	-
Start	49	End	307
Name	OJ990626_31.9A14.C28.o1.gs	Method	GENSCAN
Start	81	End	307
GI	none	Score	.99
Exons	81..307		

Seq. No.	19197	Seq. ID	OJ990626_31.9A14.C28
Gene No.	40136	Strand	-
Start	49	End	307
Name	OJ990626_31.9A14.C28.o1.tm	Method	TBLASTX:Maize
Start	97	End	280
GI	none	Score	120
Exons	97..225, 99..236, 172..276, 173..262, 251..280		

Seq. No.	19198	Seq. ID	OJ990626_31.9A14.C29
Gene No.	40137	Strand	+
Start	1	End	1494
Name	OJ990626_31.9A14.C29.o1.np	Method	AAT/NAP
Start	1	End	1494
GI	6691211	Score	381
Exons	1..32, 228..409, 499..714, 799..1228, 1477..1494		
GI Descrip.	(AC007508) F1K23.16 [Arabidopsis thaliana]		

Seq. No.	19198	Seq. ID	OJ990626_31.9A14.C29
Gene No.	40137	Strand	+
Start	1	End	1494
Name	OJ990626_31.9A14.C29.o1.gp	Method	AAT/GAP
Start	105	End	949
GI	455_3.R1084	Score	1226
Exons	105..409, 499..714, 799..949		

GI Descrip. '2129636/pir||S68410 5.0e-23 lipase - Arabidopsis thaliana >gi_1145627 (U38916) lipase [Arabidopsis thaliana]'

Seq. No.	19198	Seq. ID	OJ990626_31.9A14.C29
Gene No.	40137	Strand	+
Start	1	End	1494
Name	OJ990626_31.9A14.C29.o1.gs	Method	GENSCAN
Start	178	End	1224
GI	none	Score	.98
Exons	178..409, 499..714, 799..1224		

Seq. No.	19198	Seq. ID	OJ990626_31.9A14.C29
Gene No.	40137	Strand	+
Start	1	End	1494
Name	OJ990626_31.9A14.C29.o1.tm	Method	TBLASTX:Maize
Start	246	End	923
GI	none	Score	274
Exons	246..407, 256..408, 486..716, 804..923, 825..890, 863..922	499..546, 501..656, 530..715,	

Seq. No.	19198	Seq. ID	OJ990626_31.9A14.C29
Gene No.	40137	Strand	+
Start	1	End	1494
Name	OJ990626_31.9A14.C29.o1.tc	Method	TBLASTX:Cress
Start	265	End	1258
GI	none	Score	62
Exons	265..318, 267..308, 355..408, 548..601, 645..707, 798..1226,	360..404, 486..530, 525..632, 908..1108, 1223..1258	

Seq. No.	19198	Seq. ID	OJ990626_31.9A14.C29
Gene No.	40137	Strand	+
Start	1	End	1494
Name	OJ990626_31.9A14.C29.o1.ts	Method	TBLASTX:Soybean
Start	672	End	1184
GI	none	Score	35
Exons	672..707, 792..1058, 908..1057, 1068..1184		

Seq. No.	19198	Seq. ID	OJ990626_31.9A14.C29
Gene No.	40137	Strand	+
Start	1	End	1494
Name	OJ990626_31.9A14.C29.o2.tm	Method	TBLASTX:Maize
Start	923	End	1226
GI	none	Score	501
Exons	923..1225, 924..1226		

Seq. No.	19199	Seq. ID	OJ990626_31.9A14.C30
Gene No.	40138	Strand	-
Start	285	End	859
Name	OJ990626_31.9A14.C30.o1.gs	Method	GENSCAN
Start	285	End	859
GI	none	Score	.64
Exons	285..387, 747..859		

Seq. No.	19199	Seq. ID	OJ990626_31.9A14.C30
Gene No.	40139	Strand	-
Start	6029	End	6589
Name	OJ990626_31.9A14.C30.o2.gs	Method	GENSCAN

Start	6029	End	6589
GI	none	Score	.8
Exons	6029..6589		

Seq. No.	19200	Seq. ID	OJ990626_31.9A14.C31
Gene No.	40140	Strand	+
Start	2496	End	5333
Name	OJ990626_31.9A14.C31.o3.np	Method	AAT/NAP
Start	2496	End	5333
GI	6691207	Score	312
Exons	2496..2757, 2856..3223, 3335..3628, 5312..5333		
GI Descrip.	(AC007508) F1K23.12 [Arabidopsis thaliana]		

Seq. No.	19200	Seq. ID	OJ990626_31.9A14.C31
Gene No.	40140	Strand	+
Start	2496	End	5333
Name	OJ990626_31.9A14.C31.o1.gs	Method	GENSCAN
Start	2499	End	4541
GI	none	Score	.95
Exons	2499..2757, 2856..3223, 3408..3624, 4470..4541		

Seq. No.	19200	Seq. ID	OJ990626_31.9A14.C31
Gene No.	40140	Strand	+
Start	2496	End	5333
Name	OJ990626_31.9A14.C31.o4.np	Method	AAT/NAP
Start	2505	End	5333
GI	6691210	Score	309
Exons	2505..2757, 2856..3196, 3308..3668, 5314..5333		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	19200	Seq. ID	OJ990626_31.9A14.C31
Gene No.	40140	Strand	+
Start	2496	End	5333
Name	OJ990626_31.9A14.C31.o1.gp	Method	AAT/GAP
Start	2978	End	3363
GI	2310903	Score	456
Exons	2978..3223, 3335..3363		

Seq. No.	19200	Seq. ID	OJ990626_31.9A14.C31
Gene No.	40141	Strand	-
Start	1	End	2201
Name	OJ990626_31.9A14.C31.o1.np	Method	AAT/NAP
Start	1	End	465
GI	5852175	Score	201
Exons	1..465		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	19200	Seq. ID	OJ990626_31.9A14.C31
Gene No.	40141	Strand	-
Start	1	End	2201
Name	OJ990626_31.9A14.C31.o2.np	Method	AAT/NAP
Start	1	End	2201
GI	4680186	Score	341
Exons	1..31, 1391..1548, 2046..2201		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19200	Seq. ID	OJ990626_31.9A14.C31

Gene No.	40142	Strand	
Start	2558	End	3199
Name	OJ990626_31.9A14.C31.o1.tm	Method	TBLASTX:Maize
Start	2558	End	3199
GI	none	Score	118
Exons	2558..2641, 2559..2657, 2568..2645, 2703..2756, 2855..2908, 2954..3058, 3098..3199		

Seq. No.	19200	Seq. ID	OJ990626_31.9A14.C31
Gene No.	40143	Strand	
Start	3299	End	3626
Name	OJ990626_31.9A14.C31.o2.tm	Method	TBLASTX:Maize
Start	3299	End	3626
GI	none	Score	90
Exons	3299..3400, 3328..3399, 3453..3626, 3455..3613		

Seq. No.	19201	Seq. ID	OJ990626_31.9A14.C32
Gene No.	40144	Strand	+
Start	123	End	323
Name	OJ990626_31.9A14.C32.o1.gs	Method	GENSCAN
Start	123	End	323
GI	none	Score	.7
Exons	123..323		

Seq. No.	19202	Seq. ID	OJ990426_26.9A08.C1
Gene No.	40145	Strand	+
Start	90	End	699
Name	OJ990426_26.9A08.C1.o1.np	Method	AAT/NAP
Start	90	End	699
GI	106322	Score	461
Exons	90..699		
GI Descrip.	hypothetical protein (L1H 3' region) - human		

Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40146	Strand	+
Start	1	End	607
Name	OJ990426_26.9A08.C2.o1.np	Method	AAT/NAP
Start	1	End	607
GI	3687235	Score	141
Exons	1..106, 165..278, 440..607		
GI Descrip.	(AC005169) copia-like retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40146	Strand	+
Start	1	End	607
Name	OJ990426_26.9A08.C2.o1.gs	Method	GENSCAN
Start	164	End	556
GI	none	Score	1
Exons	164..278, 440..556		

Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40147	Strand	+
Start	2237	End	4272
Name	OJ990426_26.9A08.C2.o1.ts	Method	TBLASTX:Soybean
Start	2095	End	4149
GI	none	Score	35

Exons	2095..2133, 2255..2332, 2261..2338, 2281..2337, 2417..2572, 2417..2545, 2431..2571, 3901..4140, 3907..3969, 3909..4139, 4033..4149		
Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40147	Strand	+
Start	2237	End	4272
Name	OJ990426_26.9A08.C2.o2.tm	Method	TBLASTX:Maize
Start	2095	End	2572
GI	none	Score	35
Exons	2095..2133, 2255..2332, 2261..2338, 2281..2337, 2417..2572, 2417..2545, 2431..2571		
Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40147	Strand	+
Start	2237	End	4272
Name	OJ990426_26.9A08.C2.o1.tw	Method	TBLASTX:Wheat
Start	2137	End	2467
GI	none	Score	39
Exons	2137..2202, 2249..2377, 2252..2329, 2281..2337, 2417..2467, 2431..2463		
Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40147	Strand	+
Start	2237	End	4272
Name	OJ990426_26.9A08.C2.o2.gs	Method	GENSCAN
Start	2237	End	4138
GI	none	Score	.79
Exons	2237..2571, 3903..4138		
Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40147	Strand	+
Start	2237	End	4272
Name	OJ990426_26.9A08.C2.o2.np	Method	AAT/NAP
Start	2249	End	4272
GI	3786005	Score	601
Exons	2249..2571, 3903..4272		
GI Descrip.	(AC005499) putative phospholipid cytidylyltransferase [Arabidopsis thaliana]		
Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40147	Strand	+
Start	2237	End	4272
Name	OJ990426_26.9A08.C2.o1.tc	Method	TBLASTX:Cress
Start	2267	End	2578
GI	none	Score	50
Exons	2267..2332, 2417..2578, 2431..2577		
Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2
Gene No.	40147	Strand	+
Start	2237	End	4272
Name	OJ990426_26.9A08.C2.o1.tm	Method	TBLASTX:Maize
Start	3880	End	4140
GI	none	Score	403
Exons	3880..4140, 3900..4139		
Seq. No.	19203	Seq. ID	OJ990426_26.9A08.C2

Gene No.	40147	Strand	+
Start	2237	End	4272
Name	OJ990426_26.9A08.C2.o2.tc	Method	TBLASTX:Cress
Start	3990	End	4140
GI	none	Score	100
Exons	3990..4091, 3990..4088, 3991..4140, 4107..4139		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40148	Strand	+
Start	1	End	2865
Name	OJ990426_26.9A08.C3.o1.gp	Method	AAT/GAP
Start	1	End	980
GI	LIB3432-052-P1-K1-C8	Score	455
Exons	1..112, 643..714, 903..980		
GI Descrip.	'3786005 1.0e-60 (AC005499) putative phosphoethanolamine cytidylyltransferase [Arabidopsis thaliana]'		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40148	Strand	+
Start	1	End	2865
Name	OJ990426_26.9A08.C3.o1.np	Method	AAT/NAP
Start	1	End	2501
GI	3786005	Score	705
Exons	1..112, 643..714, 903..970, 1159..1279, 1774..1839, 1921..2043, 2433..2501		
GI Descrip.	(AC005499) putative phospholipid cytidylyltransferase [Arabidopsis thaliana]		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40148	Strand	+
Start	1	End	2865
Name	OJ990426_26.9A08.C3.o1.gs	Method	GENSCAN
Start	643	End	2504
GI	none	Score	.77
Exons	643..714, 903..970, 1159..1279, 1327..1523, 1950..2043, 2433..2504		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40148	Strand	+
Start	1	End	2865
Name	OJ990426_26.9A08.C3.o2.gp	Method	AAT/GAP
Start	1216	End	2865
GI	13238_1.R1084	Score	1202
Exons	1216..1279, 1774..1839, 1921..2043, 2433..2865		
GI Descrip.	'3786005 6.0e-42 (AC005499) putative phosphoethanolamine cytidylyltransferase [Arabidopsis thaliana]'		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40149	Strand	-
Start	5523	End	5939
Name	OJ990426_26.9A08.C3.o2.gs	Method	GENSCAN
Start	5523	End	5939
GI	none	Score	.57
Exons	5523..5565, 5860..5939		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40150	Strand	-

Start	6024	End	8311
Name	OJ990426_26.9A08.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2504
GI	none	Score	174
Exons	1..111, 2..112, 15..113, 626..712, 635..715, 636..713, 640..717, 640..714, 902..970, 903..968, 909..980, 1156..1278, 1157..1285, 1157..1291, 1181..1294, 1773..1835, 1774..1833, 1774..1839, 1918..2043, 1920..2042, 2430..2504		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40150	Strand	-
Start	6024	End	8311
Name	OJ990426_26.9A08.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	2504
GI	none	Score	174
Exons	1..111, 2..112, 15..113, 626..712, 636..713, 640..717, 640..714, 902..970, 903..968, 909..980, 1156..1278, 1157..1285, 1157..1291, 1181..1294, 1773..1835, 1774..1833, 1774..1839, 1918..2043, 1920..2042, 2430..2504		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40150	Strand	-
Start	6024	End	8311
Name	OJ990426_26.9A08.C3.o1.tc	Method	TBLASTX:Cress
Start	22	End	1839
GI	none	Score	116
Exons	22..102, 23..112, 636..713, 640..717, 642..713, 902..970, 903..968, 1152..1277, 1153..1278, 1156..1278, 1157..1285, 1166..1309, 1774..1839		

Seq. No.	19204	Seq. ID	OJ990426_26.9A08.C3
Gene No.	40150	Strand	-
Start	6024	End	8311
Name	OJ990426_26.9A08.C3.o2.np	Method	AAT/NAP
Start	6024	End	8311
GI	5042463	Score	155
Exons	6024..6078, 6865..6952, 6997..7143, 7846..8048, 8250..8311		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40151	Strand	+
Start	3830	End	4542
Name	OJ990426_26.9A08.C4.o2.gs	Method	GENSCAN
Start	3830	End	4542
GI	none	Score	.96
Exons	3830..3842, 4424..4542		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40152	Strand	-
Start	4739	End	12704
Name	OJ990426_26.9A08.C4.o3.gs	Method	GENSCAN
Start	4739	End	12704
GI	none	Score	.65
Exons	4739..4757, 4915..4962, 5051..5188, 5344..5493, 6301..10345, 10398..10672, 10828..10884, 11475..11576, 11815..11996, 12093..12298, 12626..12704		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40152	Strand	-
Start	4739	End	12704
Name	OJ990426_26.9A08.C4.o1.np	Method	AAT/NAP
Start	6300	End	10205
GI	6539553	Score	6778
Exons	6300..10205		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o2.tw	Method	TBLASTX:Wheat
Start	6436	End	6912
GI	none	Score	356
Exons	6436..6822, 6474..6821, 6837..6911, 6839..6910, 6841..6912		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o4.ts	Method	TBLASTX:Soybean
Start	6564	End	6905
GI	none	Score	79
Exons	6564..6773, 6643..6768, 6792..6905, 6799..6879		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o4.tm	Method	TBLASTX:Maize
Start	6768	End	7107
GI	none	Score	205
Exons	6768..7106, 6769..7107		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o2.ts	Method	TBLASTX:Soybean
Start	6918	End	7263
GI	none	Score	126
Exons	6918..7262, 7063..7263		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o3.tw	Method	TBLASTX:Wheat
Start	7116	End	7661
GI	none	Score	48
Exons	7116..7322, 7126..7248, 7317..7661, 7341..7514		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o3.tm	Method	TBLASTX:Maize
Start	7197	End	7662

GI	none	Score	55
Exons	7197..7661, 7300..7410, 7344..7526, 7480..7662		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o1.ts	Method	TBLASTX:Soybean
Start	7332	End	7796
GI	5509260	Score	58
Exons	7332..7796, 7351..7410, 7483..7578, 7627..7695		
GI Descrip.	-		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o1.tc	Method	TBLASTX:Cress
Start	7443	End	7703
GI	none	Score	286
Exons	7443..7703		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o1.tw	Method	TBLASTX:Wheat
Start	7716	End	8471
GI	none	Score	200
Exons	7716..7955, 7717..7875, 7733..7963, 7736..7933, 7984..8463, 8007..8471		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o3.ts	Method	TBLASTX:Soybean
Start	8121	End	8519
GI	none	Score	38
Exons	8121..8294, 8248..8286, 8295..8519, 8340..8510, 8341..8511		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o5.tm	Method	TBLASTX:Maize
Start	8307	End	16277
GI	none	Score	82
Exons	8307..8741, 8380..8532, 16107..16277		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o5.tw	Method	TBLASTX:Wheat
Start	8472	End	8664
GI	none	Score	186
Exons	8472..8663, 8472..8663, 8473..8664, 8593..8664		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o6.ts	Method	TBLASTX:Soybean

Start	8529	End	8915
GI	none	Score	88
Exons	8529..8777, 8760..8915		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o1.tm	Method	TBLASTX:Maize
Start	8942	End	9264
GI	none	Score	395
Exons	8942..9109, 8943..9257, 8944..9237, 9010..9264		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o2.tm	Method	TBLASTX:Maize
Start	9763	End	10076
GI	none	Score	297
Exons	9763..10068, 9765..10076		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o4.tw	Method	TBLASTX:Wheat
Start	9825	End	10211
GI	none	Score	258
Exons	9825..10211, 9826..10200		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o4.gs	Method	GENSCAN
Start	12922	End	17203
GI	none	Score	.63
Exons	12922..13103, 13411..13538, 13611..13918, 15875..16019, 16598..17203		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o5.ts	Method	TBLASTX:Soybean
Start	15608	End	15853
GI	none	Score	147
Exons	15608..15853, 15612..15842, 15719..15853		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o2.np	Method	AAT/NAP
Start	15614	End	16878
GI	4544372	Score	518
Exons	15614..16878		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-

Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o7.tw	Method	TBLASTX:Wheat
Start	15629	End	16006
GI	none	Score	66
Exons	15629..16006, 15663..15836		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o6.tw	Method	TBLASTX:Wheat
Start	16014	End	16427
GI	none	Score	49
Exons	16014..16106, 16014..16427, 16183..16404		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o7.ts	Method	TBLASTX:Soybean
Start	16185	End	16584
GI	none	Score	57
Exons	16185..16472, 16456..16584		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o6.tm	Method	TBLASTX:Maize
Start	16456	End	16797
GI	none	Score	185
Exons	16456..16797		

Seq. No.	19205	Seq. ID	OJ990426_26.9A08.C4
Gene No.	40153	Strand	-
Start	12922	End	17286
Name	OJ990426_26.9A08.C4.o8.tw	Method	TBLASTX:Wheat
Start	16912	End	17286
GI	none	Score	176
Exons	16912..17286		

Seq. No.	19206	Seq. ID	OJ990426_26.9A08.C5
Gene No.	40154	Strand	-
Start	483	End	1476
Name	OJ990426_26.9A08.C5.o1.gs	Method	GENSCAN
Start	483	End	1476
GI	none	Score	.95
Exons	483..1170, 1364..1476		

Seq. No.	19207	Seq. ID	OJ990426_26.9A08.C6
Gene No.	40155	Strand	+
Start	879	End	2419
Name	OJ990426_26.9A08.C6.o1.gs	Method	GENSCAN
Start	879	End	2419
GI	none	Score	.68
Exons	879..1025, 1075..1345, 1930..2036, 2236..2419		

Seq. No.	19208	Seq. ID	OJ990426_26.9A08.C7
Gene No.	40156	Strand	+
Start	48	End	540

Name	OJ990426_26.9A08.C7.o1.gs	Method	GENSCAN
Start	48	End	540
GI	none	Score	.51
Exons	48..355, 442..540		

Seq. No.	19208	Seq. ID	OJ990426_26.9A08.C7
Gene No.	40157	Strand	-
Start	1534	End	2960
Name	OJ990426_26.9A08.C7.o2.gs	Method	GENSCAN
Start	1534	End	2960
GI	none	Score	.55
Exons	1534..1754, 1789..2035, 2113..2215, 2824..2960		

Seq. No.	19208	Seq. ID	OJ990426_26.9A08.C7
Gene No.	40158	Strand	-
Start	9800	End	10761
Name	OJ990426_26.9A08.C7.o1.tw	Method	TBLASTX:Wheat
Start	2822	End	3184
GI	none	Score	36
Exons	2822..2881, 2890..3183, 2954..3001, 3098..3184		

Seq. No.	19208	Seq. ID	OJ990426_26.9A08.C7
Gene No.	40158	Strand	-
Start	9800	End	10761
Name	OJ990426_26.9A08.C7.o1.tm	Method	TBLASTX:Maize
Start	3061	End	3594
GI	none	Score	46
Exons	3061..3183, 3101..3211, 3319..3591, 3320..3589, 3376..3594		

Seq. No.	19208	Seq. ID	OJ990426_26.9A08.C7
Gene No.	40158	Strand	-
Start	9800	End	10761
Name	OJ990426_26.9A08.C7.o1.tc	Method	TBLASTX:Cress
Start	3331	End	3639
GI	none	Score	67
Exons	3331..3639, 3422..3505		

Seq. No.	19208	Seq. ID	OJ990426_26.9A08.C7
Gene No.	40158	Strand	-
Start	9800	End	10761
Name	OJ990426_26.9A08.C7.o1.ts	Method	TBLASTX:Soybean
Start	3331	End	3591
GI	none	Score	119
Exons	3331..3591, 3335..3547		

Seq. No.	19208	Seq. ID	OJ990426_26.9A08.C7
Gene No.	40158	Strand	-
Start	9800	End	10761
Name	OJ990426_26.9A08.C7.o4.gs	Method	GENSCAN
Start	9800	End	10761
GI	none	Score	.96
Exons	9800..9998, 10736..10761		

Seq. No.	19209	Seq. ID	OJ990426_26.9A08.C8
Gene No.	40159	Strand	+
Start	1	End	641
Name	OJ990426_26.9A08.C8.o1.np	Method	AAT/NAP

Start	1	End	641
GI	6498441	Score	852
Exons	1..641		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19209	Seq. ID	OJ990426_26.9A08.C8
Gene No.	40160	Strand	-
Start	39	End	578
Name	OJ990426_26.9A08.C8.o1.gs	Method	GENSCAN
Start	39	End	524
GI	none	Score	.53
Exons	39..169, 355..524		

Seq. No.	19209	Seq. ID	OJ990426_26.9A08.C8
Gene No.	40160	Strand	-
Start	39	End	578
Name	OJ990426_26.9A08.C8.o1.tw	Method	TBLASTX:Wheat
Start	330	End	576
GI	none	Score	175
Exons	330..575, 457..576, 470..574		

Seq. No.	19209	Seq. ID	OJ990426_26.9A08.C8
Gene No.	40160	Strand	-
Start	39	End	578
Name	OJ990426_26.9A08.C8.o1.tm	Method	TBLASTX:Maize
Start	354	End	578
GI	none	Score	190
Exons	354..578, 476..577		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40161	Strand	+
Start	2010	End	2546
Name	OJ990426_26.9A08.C9.o1.gs	Method	GENSCAN
Start	2010	End	2546
GI	none	Score	.75
Exons	2010..2546		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40162	Strand	+
Start	5632	End	8186
Name	OJ990426_26.9A08.C9.o1.np	Method	AAT/NAP
Start	5632	End	8186
GI	4558666	Score	1485
Exons	5632..6856, 6942..8186		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40163	Strand	+
Start	10961	End	16653
Name	OJ990426_26.9A08.C9.o4.gs	Method	GENSCAN
Start	10961	End	16620
GI	none	Score	.42
Exons	10961..11309, 12733..12906, 16454..16620		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9

Gene No.	40163	Strand	+
Start	10961	End	16653
Name	OJ990426_26.9A08.C9.o3.np	Method	AAT/NAP
Start	16455	End	16653
GI	6498423	Score	240
Exons	16455..16653		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40164	Strand	-
Start	7606	End	16653
Name	OJ990426_26.9A08.C9.o2.tc	Method	TBLASTX:Cress
Start	5828	End	6226
GI	none	Score	157
Exons	5828..6055, 6134..6226		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40164	Strand	-
Start	7606	End	16653
Name	OJ990426_26.9A08.C9.o2.ts	Method	TBLASTX:Soybean
Start	6476	End	6670
GI	none	Score	190
Exons	6476..6670, 6526..6669		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40164	Strand	-
Start	7606	End	16653
Name	OJ990426_26.9A08.C9.o1.ts	Method	TBLASTX:Soybean
Start	6760	End	7226
GI	none	Score	81
Exons	6760..6843, 6776..6859, 6942..7226		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40164	Strand	-
Start	7606	End	16653
Name	OJ990426_26.9A08.C9.o1.tm	Method	TBLASTX:Maize
Start	7334	End	7682
GI	none	Score	467
Exons	7334..7681, 7335..7682		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40164	Strand	-
Start	7606	End	16653
Name	OJ990426_26.9A08.C9.o1.tc	Method	TBLASTX:Cress
Start	7353	End	7658
GI	none	Score	168
Exons	7353..7592, 7614..7658		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40164	Strand	-
Start	7606	End	16653
Name	OJ990426_26.9A08.C9.o2.np	Method	AAT/NAP
Start	7606	End	16653
GI	5917666	Score	187
Exons	7606..8179, 9023..9642, 16606..16653		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40164	Strand	-
Start	7606	End	16653
Name	OJ990426_26.9A08.C9.o1.tw	Method	TBLASTX:Wheat
Start	7955	End	8078
GI	none	Score	180
Exons	7955..8077, 7956..8078		

Seq. No.	19210	Seq. ID	OJ990426_26.9A08.C9
Gene No.	40164	Strand	-
Start	7606	End	16653
Name	OJ990426_26.9A08.C9.o3.gs	Method	GENSCAN
Start	8985	End	9743
GI	none	Score	.67
Exons	8985..9531, 9643..9743		

Seq. No.	19211	Seq. ID	OJ990426_26.9A08.C11
Gene No.	40165	Strand	+
Start	294	End	406
Name	OJ990426_26.9A08.C11.o1.gs	Method	GENSCAN
Start	294	End	406
GI	none	Score	.45
Exons	294..406		

Seq. No.	19212	Seq. ID	OJ990426_26.9A08.C13
Gene No.	40166	Strand	+
Start	1	End	342
Name	OJ990426_26.9A08.C13.o1.np	Method	AAT/NAP
Start	1	End	342
GI	3426064	Score	143
Exons	1..203, 319..342		
GI Descrip.	(AJ007588) monooxygenase [Arabidopsis thaliana] gi|4467141|emb|CAB37510| (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	19212	Seq. ID	OJ990426_26.9A08.C13
Gene No.	40166	Strand	+
Start	1	End	342
Name	OJ990426_26.9A08.C13.o1.gp	Method	AAT/GAP
Start	58	End	342
GI	4715556	Score	283
Exons	58..203, 319..342		
GI Descrip.	3426064/emb|CAA07575.1| 7.0e-18 (AJ007588) monooxygenase [Arabidopsis thaliana] >gi_4467141_emb_CAB37510_ (AL035540) monooxygenase 2 (MO2) [Arabidopsis thaliana]		

Seq. No.	19212	Seq. ID	OJ990426_26.9A08.C13
Gene No.	40166	Strand	+
Start	1	End	342
Name	OJ990426_26.9A08.C13.o1.tw	Method	TBLASTX:Wheat
Start	58	End	342
GI	none	Score	117
Exons	58..180, 59..202, 59..211, 60..206, 319..342		

Seq. No.	19212	Seq. ID	OJ990426_26.9A08.C13
Gene No.	40166	Strand	+
Start	1	End	342

Name	OJ990426_26.9A08.C13.o1.gs	Method	GENSCAN
Start	66	End	203
GI	none	Score	.51
Exons	66..203		

Seq. No.	19213	Seq. ID	OJ990426_11.9A25.C1
Gene No.	40167	Strand	-
Start	1	End	447
Name	OJ990426_11.9A25.C1.o1.np	Method	AAT/NAP
Start	1	End	447
GI	100488	Score	264
Exons	1..447		
GI Descrip.	TNP2 protein - garden snapdragon		

Seq. No.	19214	Seq. ID	OJ990426_11.9A25.C3
Gene No.	40168	Strand	-
Start	308	End	408
Name	OJ990426_11.9A25.C3.o1.gs	Method	GENSCAN
Start	308	End	408
GI	none	Score	.99
Exons	308..408		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o1.tw	Method	TBLASTX:Wheat
Start	1568	End	1852
GI	none	Score	135
Exons	1568..1705, 1573..1695, 1700..1846, 1706..1852		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o2.tm	Method	TBLASTX:Maize
Start	1597	End	1855
GI	none	Score	229
Exons	1597..1803, 1598..1855, 1604..1855		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o1.gp	Method	AAT/GAP
Start	3867	End	5212
GI	70716_1.R1084	Score	1445
Exons	3867..4448, 4617..4719, 5095..5212		
GI Descrip.	'4874267/gb|AAD31332.1|AC007354_5 1.0e-30 (AC007354) Strong similarity to gb_X56267 auxin-induced protein (pCNT115) from Nicotiana tabacum and is a member of the PF_00248 Aldo/keto reductase family. [Arabidopsis thaliana]'		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o2.gs	Method	GENSCAN
Start	4104	End	5529
GI	none	Score	.76
Exons	4104..4448, 4617..4719, 5095..5267, 5499..5529		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o1.np	Method	AAT/NAP
Start	4110	End	5267
GI	2462763	Score	719
Exons	4110..4448, 4626..4719, 5095..5267		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o1.tc	Method	TBLASTX:Cress
Start	4113	End	4451
GI	none	Score	45
Exons	4113..4175, 4123..4158, 4167..4451, 4176..4343, 4180..4446		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o1.tm	Method	TBLASTX:Maize
Start	4113	End	5279
GI	none	Score	59
Exons	4113..4166, 4123..4167, 4173..4193, 4194..4451, 4195..4443, 4613..4714, 4615..4725, 4617..4721, 5094..5279, 5095..5265		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o1.ts	Method	TBLASTX:Soybean
Start	4113	End	4370
GI	none	Score	152
Exons	4113..4370, 4123..4365		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o2.ts	Method	TBLASTX:Soybean
Start	4371	End	5289
GI	none	Score	72
Exons	4371..4451, 4375..4458, 4611..4721, 4621..4722, 5094..5279, 5095..5289		

Seq. No.	19215	Seq. ID	OJ990426_11.9A25.C4
Gene No.	40169	Strand	-
Start	4104	End	5529
Name	OJ990426_11.9A25.C4.o2.tc	Method	TBLASTX:Cress
Start	4611	End	5289
GI	none	Score	62
Exons	4611..4673, 4663..4725, 4671..4721, 5094..5267, 5094..5279, 5095..5289		

Seq. No.	19216	Seq. ID	OJ990426_11.9A25.C5
Gene No.	40170	Strand	-
Start	1	End	1001

Name	OJ990426_11.9A25.C5.o1.np	Method	AAT/NAP
Start	1	End	917
GI	1352461	Score	435
Exons	1..67, 484..917		
GI Descrip.	IN2-2 PROTEIN		

Seq. No.	19216	Seq. ID	OJ990426_11.9A25.C5
Gene No.	40170	Strand	-
Start	1	End	1001
Name	OJ990426_11.9A25.C5.o1.tc	Method	TBLASTX:Cress
Start	486	End	897
GI	none	Score	95
Exons	486..614, 490..615, 693..896,	696..782,	721..897

Seq. No.	19216	Seq. ID	OJ990426_11.9A25.C5
Gene No.	40170	Strand	-
Start	1	End	1001
Name	OJ990426_11.9A25.C5.o1.tm	Method	TBLASTX:Maize
Start	486	End	900
GI	none	Score	124
Exons	486..611, 490..612, 693..890,	696..782,	721..900

Seq. No.	19216	Seq. ID	OJ990426_11.9A25.C5
Gene No.	40170	Strand	-
Start	1	End	1001
Name	OJ990426_11.9A25.C5.o1.ts	Method	TBLASTX:Soybean
Start	486	End	897
GI	none	Score	138
Exons	486..617, 490..618, 693..896,	696..806,	721..897

Seq. No.	19216	Seq. ID	OJ990426_11.9A25.C5
Gene No.	40170	Strand	-
Start	1	End	1001
Name	OJ990426_11.9A25.C5.o1.gs	Method	GENSCAN
Start	489	End	935
GI	none	Score	.95
Exons	489..935		

Seq. No.	19216	Seq. ID	OJ990426_11.9A25.C5
Gene No.	40170	Strand	-
Start	1	End	1001
Name	OJ990426_11.9A25.C5.o1.gp	Method	AAT/GAP
Start	587	End	1001
GI	71684_1.R1084	Score	805
Exons	587..1001		
GI Descrip.	'1352461/sp|P49249|IN22_MAIZE	3.0e-23	IN2-2 PROTEIN'

Seq. No.	19216	Seq. ID	OJ990426_11.9A25.C5
Gene No.	40170	Strand	-
Start	1	End	1001
Name	OJ990426_11.9A25.C5.o1.tw	Method	TBLASTX:Wheat
Start	693	End	900
GI	none	Score	143
Exons	693..899, 696..806, 718..900		

Seq. No.	19217	Seq. ID	OJ990426_11.9A25.C6
Gene No.	40171	Strand	+

Start	990	End	1684
Name	OJ990426_11.9A25.C6.o1.gs	Method	GENSCAN
Start	990	End	1684
GI	none	Score	.67
Exons	990..1193, 1529..1684		

Seq. No.	19218	Seq. ID	OJ990426_11.9A25.C7
Gene No.	40172	Strand	+
Start	61	End	380
Name	OJ990426_11.9A25.C7.o1.gs	Method	GENSCAN
Start	61	End	380
GI	none	Score	.68
Exons	61..199, 205..380		

Seq. No.	19218	Seq. ID	OJ990426_11.9A25.C7
Gene No.	40173	Strand	-
Start	1031	End	1516
Name	OJ990426_11.9A25.C7.o2.gs	Method	GENSCAN
Start	1031	End	1516
GI	none	Score	.46
Exons	1031..1516		

Seq. No.	19219	Seq. ID	OJ990426_11.9A25.C8
Gene No.	40174	Strand	+
Start	415	End	631
Name	OJ990426_11.9A25.C8.o1.gs	Method	GENSCAN
Start	415	End	631
GI	none	Score	.61
Exons	415..631		

Seq. No.	19219	Seq. ID	OJ990426_11.9A25.C8
Gene No.	40175	Strand	+
Start	1049	End	2348
Name	OJ990426_11.9A25.C8.o2.gs	Method	GENSCAN
Start	1049	End	2348
GI	none	Score	.58
Exons	1049..1320, 1953..2118, 2183..2348		

Seq. No.	19219	Seq. ID	OJ990426_11.9A25.C8
Gene No.	40176	Strand	-
Start	171	End	640
Name	OJ990426_11.9A25.C8.o1.np	Method	AAT/NAP
Start	171	End	640
GI	6539570	Score	175
Exons	171..229, 425..640		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	19219	Seq. ID	OJ990426_11.9A25.C8
Gene No.	40177	Strand	-
Start	766	End	1113
Name	OJ990426_11.9A25.C8.o2.np	Method	AAT/NAP
Start	766	End	1113
GI	6630699	Score	93
Exons	766..1113		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40178	Strand	-
Start	905	End	3946
Name	OJ990426_11.9A25.C9.o1.gs	Method	GENSCAN
Start	905	End	3946
GI	none	Score	.85
Exons	905..1308, 1439..1528, 2050..2281, 3035..3946		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40178	Strand	-
Start	905	End	3946
Name	OJ990426_11.9A25.C9.o1.np	Method	AAT/NAP
Start	920	End	3937
GI	5915836	Score	1017
Exons	920..1528, 3035..3937		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40179	Strand	-
Start	5231	End	5521
Name	OJ990426_11.9A25.C9.o1.tm	Method	TBLASTX:Maize
Start	902	End	1529
GI	none	Score	97
Exons	902..1405, 966..1136, 1009..1278, 1127..1408, 1406..1528, 1407..1529		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40179	Strand	-
Start	5231	End	5521
Name	OJ990426_11.9A25.C9.o2.tw	Method	TBLASTX:Wheat
Start	923	End	1192
GI	none	Score	139
Exons	923..1192, 936..1136, 983..1186		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40179	Strand	-
Start	5231	End	5521
Name	OJ990426_11.9A25.C9.o1.tc	Method	TBLASTX:Cress
Start	932	End	1538
GI	none	Score	134
Exons	932..1405, 933..1136, 1169..1405, 1383..1538, 1421..1534		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40179	Strand	-
Start	5231	End	5521
Name	OJ990426_11.9A25.C9.o1.ts	Method	TBLASTX:Soybean
Start	932	End	3857
GI	none	Score	120
Exons	932..1540, 975..1136, 983..1486, 1260..1532, 3215..3451, 3437..3736, 3669..3737, 3789..3857, 3812..3847		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40179	Strand	-
Start	5231	End	5521
Name	OJ990426_11.9A25.C9.o1.tw	Method	TBLASTX:Wheat

Start	1223	End	1528
GI	none	Score	228
Exons	1223..1528, 1224..1514, 1229..1528		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40179	Strand	-
Start	5231	End	5521
Name	OJ990426_11.9A25.C9.o2.tm	Method	TBLASTX:Maize
Start	3233	End	3874
GI	none	Score	113
Exons	3233..3436, 3278..3424, 3431..3586, 3587..3691, 3617..3736, 3775..3858, 3779..3859, 3812..3874		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40179	Strand	-
Start	5231	End	5521
Name	OJ990426_11.9A25.C9.o2.tc	Method	TBLASTX:Cress
Start	3350	End	3916
GI	none	Score	66
Exons	3350..3736, 3812..3916		

Seq. No.	19220	Seq. ID	OJ990426_11.9A25.C9
Gene No.	40179	Strand	-
Start	5231	End	5521
Name	OJ990426_11.9A25.C9.o2.gs	Method	GENSCAN
Start	5231	End	5521
GI	none	Score	.92
Exons	5231..5252, 5388..5521		

Seq. No.	19221	Seq. ID	OJ990426_11.9A25.C10
Gene No.	40180	Strand	+
Start	180	End	317
Name	OJ990426_11.9A25.C10.o1.gs	Method	GENSCAN
Start	180	End	317
GI	none	Score	.43
Exons	180..317		

Seq. No.	19221	Seq. ID	OJ990426_11.9A25.C10
Gene No.	40181	Strand	-
Start	1	End	165
Name	OJ990426_11.9A25.C10.o1.np	Method	AAT/NAP
Start	1	End	165
GI	6063554	Score	130
Exons	1..165		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19221	Seq. ID	OJ990426_11.9A25.C10
Gene No.	40182	Strand	-
Start	714	End	972
Name	OJ990426_11.9A25.C10.o2.np	Method	AAT/NAP
Start	714	End	972
GI	5852178	Score	89
Exons	714..808, 942..972		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	19222	Seq. ID	OJ990426_11.9A25.C11
Gene No.	40183	Strand	+
Start	1	End	962
Name	OJ990426_11.9A25.C11.o1.np	Method	AAT/NAP
Start	1	End	962
GI	6498436	Score	218
Exons	1..137, 405..700, 942..962		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	19222	Seq. ID	OJ990426_11.9A25.C11
Gene No.	40183	Strand	+
Start	1	End	962
Name	OJ990426_11.9A25.C11.o1.gs	Method	GENSCAN
Start	491	End	601
GI	none	Score	.43
Exons	491..601		

Seq. No.	19223	Seq. ID	OJ990426_11.9A25.C12
Gene No.	40184	Strand	-
Start	1	End	620
Name	OJ990426_11.9A25.C12.o1.np	Method	AAT/NAP
Start	1	End	620
GI	5803259	Score	701
Exons	1..620		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	19223	Seq. ID	OJ990426_11.9A25.C12
Gene No.	40184	Strand	-
Start	1	End	620
Name	OJ990426_11.9A25.C12.o1.gs	Method	GENSCAN
Start	50	End	467
GI	none	Score	.88
Exons	50..467		

Seq. No.	19224	Seq. ID	OJ990426_11.9A25.C16
Gene No.	40185	Strand	+
Start	348	End	583
Name	OJ990426_11.9A25.C16.o1.gs	Method	GENSCAN
Start	348	End	583
GI	none	Score	.84
Exons	348..468, 514..583		

Seq. No.	19225	Seq. ID	OJ990426_11.9A25.C18
Gene No.	40186	Strand	+
Start	1	End	1739
Name	OJ990426_11.9A25.C18.o1.np	Method	AAT/NAP
Start	1	End	1739
GI	2443320	Score	677
Exons	1..657, 1710..1739		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	19225	Seq. ID	OJ990426_11.9A25.C18
Gene No.	40187	Strand	-
Start	75	End	1694
Name	OJ990426_11.9A25.C18.o2.tw	Method	TBLASTX:Wheat
Start	3	End	243
GI	none	Score	48

Exons	3..59, 22..243, 90..239		
Seq. No.	19225	Seq. ID	OJ990426_11.9A25.C18
Gene No.	40187	Strand	-
Start	75	End	1694
Name	OJ990426_11.9A25.C18.o1.gs	Method	GENSCAN
Start	75	End	1694
GI	none	Score	.7
Exons	75..134, 254..406, 993..1071, 1356..1513, 1518..1694		
Seq. No.	19225	Seq. ID	OJ990426_11.9A25.C18
Gene No.	40187	Strand	-
Start	75	End	1694
Name	OJ990426_11.9A25.C18.o1.tw	Method	TBLASTX:Wheat
Start	421	End	657
GI	none	Score	265
Exons	421..657, 430..657		
Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o1.np	Method	AAT/NAP
Start	1	End	636
GI	6063554	Score	152
Exons	1..44, 461..636		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o3.np	Method	AAT/NAP
Start	1	End	3910
GI	4680179	Score	1727
Exons	1..44, 2750..3910		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o1.gp	Method	AAT/GAP
Start	1015	End	1189
GI	LIB3433-026-P1-K1-C1	Score	259
Exons	1015..1189		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o2.np	Method	AAT/NAP
Start	1828	End	2599
GI	4512231	Score	1029
Exons	1828..2599		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o2.tw	Method	TBLASTX:Wheat
Start	2748	End	2984
GI	none	Score	356
Exons	2748..2984, 2749..2949, 2750..2980, 2751..2984		

Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o1.ts	Method	TBLASTX:Soybean
Start	2772	End	3032
GI	none	Score	287
Exons	2772..3032, 2777..3031		

Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o2.tm	Method	TBLASTX:Maize
Start	2831	End	3122
GI	none	Score	388
Exons	2831..3118, 2832..3122		

Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o1.tw	Method	TBLASTX:Wheat
Start	2991	End	3617
GI	none	Score	706
Exons	2991..3617, 2993..3499, 3557..3616		

Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o1.tm	Method	TBLASTX:Maize
Start	3170	End	3755
GI	none	Score	229
Exons	3170..3325, 3171..3332, 3330..3755, 3332..3754		

Seq. No.	19226	Seq. ID	OJ990426_11.9A25.C19
Gene No.	40188	Strand	+
Start	1	End	3910
Name	OJ990426_11.9A25.C19.o3.tw	Method	TBLASTX:Wheat
Start	3617	End	3910
GI	none	Score	312
Exons	3617..3910, 3618..3908		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40189	Strand	+
Start	1	End	652
Name	OJ990426_11.9A25.C20.o1.np	Method	AAT/NAP
Start	1	End	649
GI	4680179	Score	884
Exons	1..649		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40189	Strand	+
Start	1	End	652
Name	OJ990426_11.9A25.C20.o1.gs	Method	GENSCAN
Start	184	End	652
GI	none	Score	.59
Exons	184..403, 434..652		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40190	Strand	+
Start	1353	End	2238
Name	OJ990426_11.9A25.C20.o2.np	Method	AAT/NAP
Start	1353	End	2238
GI	5852178	Score	352
Exons	1353..1656, 1688..1789, 2141..2238		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40191	Strand	+
Start	3591	End	5310
Name	OJ990426_11.9A25.C20.o3.np	Method	AAT/NAP
Start	3591	End	5310
GI	6907087	Score	712
Exons	3591..3961, 4007..4594, 4622..4678, 5209..5310		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40192	Strand	+
Start	7547	End	8905
Name	OJ990426_11.9A25.C20.o5.np	Method	AAT/NAP
Start	7547	End	8905
GI	2443320	Score	1853
Exons	7547..8905		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40193	Strand	+
Start	11321	End	11594
Name	OJ990426_11.9A25.C20.o1.gp	Method	AAT/GAP
Start	11321	End	11594
GI	none	Score	533
Exons	11321..11594		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40194	Strand	-
Start	1373	End	1765
Name	OJ990426_11.9A25.C20.o2.gs	Method	GENSCAN
Start	1373	End	1765
GI	none	Score	.96
Exons	1373..1765		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40195	Strand	-
Start	5709	End	8307
Name	OJ990426_11.9A25.C20.o4.tw	Method	TBLASTX:Wheat

Start	1	End	178
GI	none	Score	193
Exons	1..174, 2..178		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40195	Strand	-
Start	5709	End	8307
Name	OJ990426_11.9A25.C20.o1.tm	Method	TBLASTX:Maize
Start	2	End	409
GI	none	Score	438
Exons	2..409, 4..408		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40195	Strand	-
Start	5709	End	8307
Name	OJ990426_11.9A25.C20.o3.tw	Method	TBLASTX:Wheat
Start	182	End	601
GI	none	Score	440
Exons	182..601, 197..388, 217..582		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40195	Strand	-
Start	5709	End	8307
Name	OJ990426_11.9A25.C20.o4.tm	Method	TBLASTX:Maize
Start	413	End	659
GI	none	Score	182
Exons	413..613, 445..624, 627..659,	627..659	

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40195	Strand	-
Start	5709	End	8307
Name	OJ990426_11.9A25.C20.o4.np	Method	AAT/NAP
Start	5709	End	7652
GI	4680186	Score	212
Exons	5709..5908, 7596..7652		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40195	Strand	-
Start	5709	End	8307
Name	OJ990426_11.9A25.C20.o1.tw	Method	TBLASTX:Wheat
Start	7545	End	8307
GI	none	Score	164
Exons	7545..7646, 7546..7659, 7650..7796, 7661..7762, 7665..7766, 7757..7858, 7763..7858, 7828..7962, 7841..8269, 7880..8044, 7986..8165, 8090..8224, 8095..8262, 8269..8307		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40195	Strand	-
Start	5709	End	8307
Name	OJ990426_11.9A25.C20.o2.tm	Method	TBLASTX:Maize
Start	7545	End	7945
GI	none	Score	123
Exons	7545..7658, 7546..7659, 7656..7748, 7668..7751, 7670..7801, 7766..7945, 7768..7878		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20

Gene No.	40195	Strand	-
Start	5709	End	8307
Name	OJ990426_11.9A25.C20.o2.ts	Method	TBLASTX:Soybean
Start	7552	End	7939
GI	none	Score	80
Exons	7552..7656, 7648..7743, 7650..7742, 7667..7747, 7730..7837, 7766..7939		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40196	Strand	
Start	8237	End	8867
Name	OJ990426_11.9A25.C20.o3.tm	Method	TBLASTX:Maize
Start	8237	End	8799
GI	none	Score	42
Exons	8237..8272, 8269..8643, 8662..8799		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40196	Strand	
Start	8237	End	8867
Name	OJ990426_11.9A25.C20.o1.ts	Method	TBLASTX:Soybean
Start	8263	End	8772
GI	none	Score	212
Exons	8263..8640, 8668..8772		

Seq. No.	19227	Seq. ID	OJ990426_11.9A25.C20
Gene No.	40196	Strand	
Start	8237	End	8867
Name	OJ990426_11.9A25.C20.o2.tw	Method	TBLASTX:Wheat
Start	8380	End	8867
GI	none	Score	438
Exons	8380..8817, 8386..8817, 8460..8819, 8694..8837, 8820..8867, 8822..8866		

Seq. No.	19228	Seq. ID	OJ990426_11.9A25.C21
Gene No.	40197	Strand	-
Start	1	End	2002
Name	OJ990426_11.9A25.C21.o1.np	Method	AAT/NAP
Start	1	End	1891
GI	228207	Score	68
Exons	1..29, 516..719, 994..1077, 1852..1891		
GI Descrip.	tnp1 protein [Antirrhinum majus]		

Seq. No.	19228	Seq. ID	OJ990426_11.9A25.C21
Gene No.	40197	Strand	-
Start	1	End	2002
Name	OJ990426_11.9A25.C21.o1.gp	Method	AAT/GAP
Start	47	End	461
GI	1411_1.R1084	Score	183
Exons	47..115, 399..461		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	19228	Seq. ID	OJ990426_11.9A25.C21
Gene No.	40197	Strand	-
Start	1	End	2002
Name	OJ990426_11.9A25.C21.o1.gs	Method	GENSCAN
Start	50	End	2002

GI	none	Score	.65
Exons	50..115, 571..719, 818..966, 1591..1621, 1840..2002		

Seq. No.	19228	Seq. ID	OJ990426_11.9A25.C21
Gene No.	40198	Strand	-
Start	4316	End	5477
Name	OJ990426_11.9A25.C21.o2.tm	Method	TBLASTX:Maize
Start	499	End	720
GI	none	Score	181
Exons	499..720, 512..700, 523..705		

Seq. No.	19228	Seq. ID	OJ990426_11.9A25.C21
Gene No.	40198	Strand	-
Start	4316	End	5477
Name	OJ990426_11.9A25.C21.o2.gs	Method	GENSCAN
Start	4316	End	5477
GI	none	Score	.85
Exons	4316..4979, 5050..5164, 5423..5477		

Seq. No.	19228	Seq. ID	OJ990426_11.9A25.C21
Gene No.	40198	Strand	-
Start	4316	End	5477
Name	OJ990426_11.9A25.C21.o2.np	Method	AAT/NAP
Start	4452	End	5093
GI	5732031	Score	283
Exons	4452..5093		
GI Descrip.	(AF147260) No definition line found [Arabidopsis thaliana]		

Seq. No.	19228	Seq. ID	OJ990426_11.9A25.C21
Gene No.	40198	Strand	-
Start	4316	End	5477
Name	OJ990426_11.9A25.C21.o1.tm	Method	TBLASTX:Maize
Start	4694	End	5067
GI	none	Score	97
Exons	4694..4975, 4705..4836, 4737..4925, 4864..4974, 5038..5067		

Seq. No.	19229	Seq. ID	OJ990426_11.9A25.C22
Gene No.	40199	Strand	+
Start	1	End	1032
Name	OJ990426_11.9A25.C22.o1.np	Method	AAT/NAP
Start	1	End	1032
GI	5042454	Score	1146
Exons	1..113, 162..279, 335..1032		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19230	Seq. ID	OJ990426_11.9A25.C23
Gene No.	40200	Strand	-
Start	1	End	568
Name	OJ990426_11.9A25.C23.o1.np	Method	AAT/NAP
Start	1	End	568
GI	2443320	Score	799
Exons	1..568		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	19230	Seq. ID	OJ990426_11.9A25.C23
Gene No.	40200	Strand	-
Start	1	End	568

Name	OJ990426_11.9A25.C23.o1.tm	Method	TBLASTX:Maize
Start	63	End	484
GI	none	Score	57
Exons	63..191, 194..367, 344..484		

Seq. No.	19230	Seq. ID	OJ990426_11.9A25.C23
Gene No.	40200	Strand	-
Start	1	End	568
Name	OJ990426_11.9A25.C23.o1.gs	Method	GENSCAN
Start	128	End	241
GI	none	Score	.96
Exons	128..241		

Seq. No.	19230	Seq. ID	OJ990426_11.9A25.C23
Gene No.	40200	Strand	-
Start	1	End	568
Name	OJ990426_11.9A25.C23.o1.tw	Method	TBLASTX:Wheat
Start	156	End	568
GI	none	Score	110
Exons	156..194, 194..568, 201..368, 239..373, 298..477, 501..566		

Seq. No.	19231	Seq. ID	OJ990426_11.9A25.C24
Gene No.	40201	Strand	-
Start	92	End	716
Name	OJ990426_11.9A25.C24.o1.np	Method	AAT/NAP
Start	92	End	716
GI	5911167	Score	520
Exons	92..221, 323..716		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	19231	Seq. ID	OJ990426_11.9A25.C24
Gene No.	40201	Strand	-
Start	92	End	716
Name	OJ990426_11.9A25.C24.o1.tw	Method	TBLASTX:Wheat
Start	107	End	672
GI	none	Score	63
Exons	107..238, 319..672, 554..619		

Seq. No.	19231	Seq. ID	OJ990426_11.9A25.C24
Gene No.	40201	Strand	-
Start	92	End	716
Name	OJ990426_11.9A25.C24.o1.tm	Method	TBLASTX:Maize
Start	322	End	712
GI	none	Score	53
Exons	322..432, 322..711, 553..711, 557..712		

Seq. No.	19231	Seq. ID	OJ990426_11.9A25.C24
Gene No.	40201	Strand	-
Start	92	End	716
Name	OJ990426_11.9A25.C24.o1.ts	Method	TBLASTX:Soybean
Start	334	End	711
GI	none	Score	61
Exons	334..489, 334..573, 583..711, 609..689		

Seq. No.	19232	Seq. ID	OJ990426_11.9A25.C26
Gene No.	40202	Strand	+
Start	1	End	714

Name	OJ990426_11.9A25.C26.o1.np	Method	AAT/NAP
Start	1	End	599
GI	5922620	Score	315
Exons	1..355, 392..599		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19232	Seq. ID	OJ990426_11.9A25.C26
Gene No.	40202	Strand	+
Start	1	End	714
Name	OJ990426_11.9A25.C26.o1.gs	Method	GENSCAN
Start	64	End	714
GI	none	Score	.67
Exons	64..247, 566..714		

Seq. No.	19233	Seq. ID	OJ990426_11.9A25.C27
Gene No.	40203	Strand	+
Start	664	End	729
Name	OJ990426_11.9A25.C27.o1.gp	Method	AAT/GAP
Start	664	End	729
GI	none	Score	120
Exons	664..729		

Seq. No.	19234	Seq. ID	OJ990426_11.9A25.C30
Gene No.	40204	Strand	+
Start	1	End	408
Name	OJ990426_11.9A25.C30.o1.np	Method	AAT/NAP
Start	1	End	408
GI	6644410	Score	154
Exons	1..30, 123..408		
GI Descrip.	(AF212433) UV-induced sesquiterpene cyclase [Capsicum annuum]		

Seq. No.	19234	Seq. ID	OJ990426_11.9A25.C30
Gene No.	40204	Strand	+
Start	1	End	408
Name	OJ990426_11.9A25.C30.o1.tm	Method	TBLASTX:Maize
Start	141	End	374
GI	none	Score	224
Exons	141..374, 148..279, 204..374		

Seq. No.	19234	Seq. ID	OJ990426_11.9A25.C30
Gene No.	40204	Strand	+
Start	1	End	408
Name	OJ990426_11.9A25.C30.o1.gs	Method	GENSCAN
Start	149	End	367
GI	none	Score	1
Exons	149..367		

Seq. No.	19235	Seq. ID	OJ990426_11.9A25.C32
Gene No.	40205	Strand	-
Start	1	End	459
Name	OJ990426_11.9A25.C32.o1.np	Method	AAT/NAP
Start	1	End	459
GI	2443320	Score	460

Exons	1..459		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	19236	Seq. ID	OJ990426_11.9A25.C34
Gene No.	40206	Strand	+
Start	1	End	910
Name	OJ990426_11.9A25.C34.o1.np	Method	AAT/NAP
Start	1	End	910
GI	6498441	Score	1222
Exons	1..777, 884..910		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19236	Seq. ID	OJ990426_11.9A25.C34
Gene No.	40206	Strand	+
Start	1	End	910
Name	OJ990426_11.9A25.C34.o1.tw	Method	TBLASTX:Wheat
Start	1	End	258
GI	none	Score	208
Exons	1..258, 6..146		

Seq. No.	19236	Seq. ID	OJ990426_11.9A25.C34
Gene No.	40206	Strand	+
Start	1	End	910
Name	OJ990426_11.9A25.C34.o1.gs	Method	GENSCAN
Start	43	End	884
GI	none	Score	.81
Exons	43..884		

Seq. No.	19237	Seq. ID	OJ990426_11.9A25.C35
Gene No.	40207	Strand	+
Start	1	End	1650
Name	OJ990426_11.9A25.C35.o1.np	Method	AAT/NAP
Start	1	End	1650
GI	6498441	Score	1494
Exons	1..271, 455..589, 764..1004, 1197..1650		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19237	Seq. ID	OJ990426_11.9A25.C35
Gene No.	40207	Strand	+
Start	1	End	1650
Name	OJ990426_11.9A25.C35.o2.np	Method	AAT/NAP
Start	1	End	1650
GI	5042454	Score	399
Exons	1..23, 1232..1650		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19237	Seq. ID	OJ990426_11.9A25.C35
Gene No.	40207	Strand	+
Start	1	End	1650
Name	OJ990426_11.9A25.C35.o2.tw	Method	TBLASTX:Wheat
Start	2	End	368
GI	none	Score	468
Exons	2..367, 3..368		

Seq. No.	19237	Seq. ID	OJ990426_11.9A25.C35
Gene No.	40207	Strand	+
Start	1	End	1650
Name	OJ990426_11.9A25.C35.o1.tm	Method	TBLASTX:Maize
Start	36	End	392
GI	none	Score	392
Exons	36..392, 71..382, 87..392		

Seq. No.	19237	Seq. ID	OJ990426_11.9A25.C35
Gene No.	40207	Strand	+
Start	1	End	1650
Name	OJ990426_11.9A25.C35.o1.gs	Method	GENSCAN
Start	48	End	1443
GI	none	Score	.47
Exons	48..1443		

Seq. No.	19237	Seq. ID	OJ990426_11.9A25.C35
Gene No.	40207	Strand	+
Start	1	End	1650
Name	OJ990426_11.9A25.C35.o2.tm	Method	TBLASTX:Maize
Start	419	End	803
GI	none	Score	357
Exons	419..505, 420..803, 454..636, 563..784		

Seq. No.	19237	Seq. ID	OJ990426_11.9A25.C35
Gene No.	40207	Strand	+
Start	1	End	1650
Name	OJ990426_11.9A25.C35.o1.tw	Method	TBLASTX:Wheat
Start	477	End	901
GI	none	Score	477
Exons	477..896, 478..666, 575..901		

Seq. No.	19237	Seq. ID	OJ990426_11.9A25.C35
Gene No.	40207	Strand	+
Start	1	End	1650
Name	OJ990426_11.9A25.C35.o1.ts	Method	TBLASTX:Soybean
Start	555	End	926
GI	none	Score	278
Exons	555..926, 572..715		

Seq. No.	19238	Seq. ID	OJ990426_11.9A25.C36
Gene No.	40208	Strand	+
Start	1	End	918
Name	OJ990426_11.9A25.C36.o1.np	Method	AAT/NAP
Start	1	End	918
GI	6498441	Score	1538
Exons	1..918		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19238	Seq. ID	OJ990426_11.9A25.C36
Gene No.	40208	Strand	+
Start	1	End	918
Name	OJ990426_11.9A25.C36.o1.gs	Method	GENSCAN
Start	121	End	869

GI	none	Score	.9
Exons	121..869		
Seq. No.	19238	Seq. ID	OJ990426_11.9A25.C36
Gene No.	40208	Strand	+
Start	1	End	918
Name	OJ990426_11.9A25.C36.o1.tm	Method	TBLASTX:Maize
Start	192	End	554
GI	none	Score	360
Exons	192..515, 221..502, 507..554		
Seq. No.	19238	Seq. ID	OJ990426_11.9A25.C36
Gene No.	40208	Strand	+
Start	1	End	918
Name	OJ990426_11.9A25.C36.o1.tw	Method	TBLASTX:Wheat
Start	329	End	710
GI	none	Score	375
Exons	329..385, 330..710, 431..679		
Seq. No.	19238	Seq. ID	OJ990426_11.9A25.C36
Gene No.	40208	Strand	+
Start	1	End	918
Name	OJ990426_11.9A25.C36.o2.tw	Method	TBLASTX:Wheat
Start	711	End	917
GI	none	Score	170
Exons	711..917, 711..908, 716..916		
Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40209	Strand	+
Start	1	End	2368
Name	OJ990426_11.9A25.C37.o1.np	Method	AAT/NAP
Start	1	End	2365
GI	6498441	Score	3320
Exons	1..421, 592..1990, 2084..2365		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40209	Strand	+
Start	1	End	2368
Name	OJ990426_11.9A25.C37.o1.gs	Method	GENSCAN
Start	47	End	2368
GI	none	Score	.41
Exons	47..421, 625..1425, 1547..1990, 2045..2368		
Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025
Name	OJ990426_11.9A25.C37.o1.tw	Method	TBLASTX:Wheat
Start	266	End	726
GI	none	Score	228
Exons	266..517, 293..517, 358..531, 577..726, 586..723, 588..725		
Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025

Name	OJ990426_11.9A25.C37.o1.ts	Method	TBLASTX:Soybean
Start	416	End	981
GI	5666795	Score	68
Exons	416..514, 589..726, 781..981		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025
Name	OJ990426_11.9A25.C37.o4.tw	Method	TBLASTX:Wheat
Start	729	End	1041
GI	none	Score	192
Exons	729..905, 781..1041		

Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025
Name	OJ990426_11.9A25.C37.o3.tw	Method	TBLASTX:Wheat
Start	1132	End	1482
GI	none	Score	238
Exons	1132..1482, 1290..1448		

Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025
Name	OJ990426_11.9A25.C37.o1.tm	Method	TBLASTX:Maize
Start	1234	End	1558
GI	none	Score	256
Exons	1234..1482, 1263..1478, 1481..1558		

Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025
Name	OJ990426_11.9A25.C37.o2.tw	Method	TBLASTX:Wheat
Start	1483	End	1858
GI	none	Score	330
Exons	1483..1551, 1487..1858, 1499..1855		

Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025
Name	OJ990426_11.9A25.C37.o2.tm	Method	TBLASTX:Maize
Start	2225	End	2407
GI	none	Score	188
Exons	2225..2407, 2230..2364		

Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025
Name	OJ990426_11.9A25.C37.o2.gs	Method	GENSCAN
Start	3008	End	3943
GI	none	Score	1
Exons	3008..3943		

Seq. No.	19239	Seq. ID	OJ990426_11.9A25.C37
Gene No.	40210	Strand	-
Start	3008	End	4025

Name	OJ990426_11.9A25.C37.o2.np	Method	AAT/NAP
Start	3011	End	4025
GI	6907089	Score	1249
Exons	3011..4025		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o1.np	Method	AAT/NAP
Start	1	End	1308
GI	6907089	Score	2035
Exons	1..1308		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o1.gs	Method	GENSCAN
Start	47	End	1308
GI	none	Score	.94
Exons	47..1308		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o2.np	Method	AAT/NAP
Start	557	End	3013
GI	5922623	Score	382
Exons	557..594, 2167..2244, 2412..2559, 2933..3013		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o2.gs	Method	GENSCAN
Start	1910	End	8202
GI	none	Score	.51
Exons	1910..1987, 2428..2559, 2952..3072, 3194..3472, 3574..4120, 4785..5811, 6356..6507, 7327..7520, 8162..8202		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o3.np	Method	AAT/NAP
Start	3343	End	5802
GI	5911167	Score	1517
Exons	3343..3472, 3574..5802		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o1.tw	Method	TBLASTX:Wheat
Start	3358	End	3923

GI	none	Score	63
Exons	3358..3489, 3570..3923, 3805..3870		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o1.tm	Method	TBLASTX:Maize
Start	3573	End	4019
GI	none	Score	91
Exons	3573..4019, 3808..3972		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o1.ts	Method	TBLASTX:Soybean
Start	3585	End	3986
GI	none	Score	61
Exons	3585..3740, 3585..3824, 3834..3986, 3860..3940		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o3.ts	Method	TBLASTX:Soybean
Start	4333	End	4572
GI	none	Score	77
Exons	4333..4572, 4340..4567		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o2.tm	Method	TBLASTX:Maize
Start	4402	End	4845
GI	none	Score	79
Exons	4402..4602, 4517..4606, 4612..4845, 4615..4680, 4696..4728, 4792..4845		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o2.tw	Method	TBLASTX:Wheat
Start	4615	End	4902
GI	none	Score	96
Exons	4615..4902, 4712..4897		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o1.tc	Method	TBLASTX:Cress
Start	4690	End	5050
GI	none	Score	147
Exons	4690..5049, 4724..5050		

Seq. No.	19240	Seq. ID	OJ990426_11.9A25.C38
Gene No.	40211	Strand	-
Start	1	End	8202
Name	OJ990426_11.9A25.C38.o2.ts	Method	TBLASTX:Soybean
Start	5017	End	5307

GI	none	Score	206
Exons	5017..5307		

Seq. No.	19241	Seq. ID	OJ990426_11.9A25.C39
Gene No.	40212	Strand	-
Start	3166	End	3303
Name	OJ990426_11.9A25.C39.o1.gs	Method	GENSCAN
Start	3166	End	3303
GI	none	Score	.83
Exons	3166..3303		

Seq. No.	19242	Seq. ID	OJ990426_11.9A25.C40
Gene No.	40213	Strand	-
Start	71	End	245
Name	OJ990426_11.9A25.C40.o1.gp	Method	AAT/GAP
Start	71	End	245
GI	10431_1.R1084	Score	303
Exons	71..245		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	19243	Seq. ID	OJ990426_11.9A25.C41
Gene No.	40214	Strand	-
Start	524	End	659
Name	OJ990426_11.9A25.C41.o1.gs	Method	GENSCAN
Start	524	End	659
GI	none	Score	.73
Exons	524..659		

Seq. No.	19244	Seq. ID	OJ990426_11.9A25.C44
Gene No.	40215	Strand	+
Start	1	End	9067
Name	OJ990426_11.9A25.C44.o1.np	Method	AAT/NAP
Start	1	End	6170
GI	5091513	Score	1529
Exons	1..57, 1998..2830, 3538..4260, 4352..4803, 5930..6170		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19244	Seq. ID	OJ990426_11.9A25.C44
Gene No.	40215	Strand	+
Start	1	End	9067
Name	OJ990426_11.9A25.C44.o1.gp	Method	AAT/GAP
Start	699	End	1018
GI	72524_1.R1084	Score	401
Exons	699..1018		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	19244	Seq. ID	OJ990426_11.9A25.C44
Gene No.	40215	Strand	+
Start	1	End	9067
Name	OJ990426_11.9A25.C44.o1.gs	Method	GENSCAN
Start	2173	End	2835
GI	none	Score	.69
Exons	2173..2835		

Seq. No.	19244	Seq. ID	OJ990426_11.9A25.C44

Gene No.	40215	Strand	+
Start	1	End	9067
Name	OJ990426_11.9A25.C44.o2.gs	Method	GENSCAN
Start	3322	End	9067
GI	none	Score	.73
Exons	3322..3348, 3574..3725, 3806..4073, 4550..5275, 5624..5801, 8364..8451, 9049..9067		

Seq. No.	19244	Seq. ID	OJ990426_11.9A25.C44
Gene No.	40216	Strand	-
Start	9549	End	11290
Name	OJ990426_11.9A25.C44.o3.gs	Method	GENSCAN
Start	9549	End	11290
GI	none	Score	.48
Exons	9549..9634, 9984..10047, 10159..10427, 11195..11290		

Seq. No.	19245	Seq. ID	OJ990426_11.9A25.C46
Gene No.	40217	Strand	-
Start	50	End	552
Name	OJ990426_11.9A25.C46.o1.gp	Method	AAT/GAP
Start	50	End	552
GI	none	Score	778
Exons	50..112, 197..552		

Seq. No.	19245	Seq. ID	OJ990426_11.9A25.C46
Gene No.	40217	Strand	-
Start	50	End	552
Name	OJ990426_11.9A25.C46.o1.gs	Method	GENSCAN
Start	197	End	467
GI	none	Score	.55
Exons	197..467		

Seq. No.	19245	Seq. ID	OJ990426_11.9A25.C46
Gene No.	40217	Strand	-
Start	50	End	552
Name	OJ990426_11.9A25.C46.o1.tm	Method	TBLASTX:Maize
Start	203	End	436
GI	none	Score	78
Exons	203..436, 256..417		

Seq. No.	19246	Seq. ID	OJ990426_11.9A25.C47
Gene No.	40218	Strand	+
Start	285	End	348
Name	OJ990426_11.9A25.C47.o1.gs	Method	GENSCAN
Start	285	End	348
GI	none	Score	.91
Exons	285..348		

Seq. No.	19247	Seq. ID	OJ990426_11.9A25.C49
Gene No.	40219	Strand	+
Start	284	End	4334
Name	OJ990426_11.9A25.C49.o2.np	Method	AAT/NAP
Start	284	End	4334
GI	4680183	Score	138
Exons	284..334, 4215..4334		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19247	Seq. ID	OJ990426_11.9A25.C49
Gene No.	40219	Strand	+
Start	284	End	4334
Name	OJ990426_11.9A25.C49.o1.gp	Method	AAT/GAP
Start	3504	End	3612
GI	uC-osflcyp088b12b1	Score	152
Exons	3504..3612		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19247	Seq. ID	OJ990426_11.9A25.C49
Gene No.	40220	Strand	-
Start	861	End	4635
Name	OJ990426_11.9A25.C49.o1.gs	Method	GENSCAN
Start	861	End	4212
GI	none	Score	.7
Exons	861..973, 1217..1367, 1453..1641, 1660..1819, 1932..1969, 2466..3404, 4108..4212		

Seq. No.	19247	Seq. ID	OJ990426_11.9A25.C49
Gene No.	40220	Strand	-
Start	861	End	4635
Name	OJ990426_11.9A25.C49.o1.np	Method	AAT/NAP
Start	1453	End	4635
GI	5441880	Score	771
Exons	1453..1786, 1895..2036, 2649..2975, 3234..3269, 4593..4635		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19248	Seq. ID	OJ990426_11.9A25.C50
Gene No.	40221	Strand	+
Start	1	End	3474
Name	OJ990426_11.9A25.C50.o2.np	Method	AAT/NAP
Start	1	End	3474
GI	4680183	Score	127
Exons	1..43, 3328..3474		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19248	Seq. ID	OJ990426_11.9A25.C50
Gene No.	40222	Strand	-
Start	1	End	1042
Name	OJ990426_11.9A25.C50.o1.np	Method	AAT/NAP
Start	1	End	1042
GI	3063699	Score	156
Exons	1..545, 938..1042		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	19248	Seq. ID	OJ990426_11.9A25.C50
Gene No.	40223	Strand	-
Start	2644	End	2754
Name	OJ990426_11.9A25.C50.o1.gp	Method	AAT/GAP
Start	2644	End	2754
GI	uC-osflcyp088b12b1	Score	153
Exons	2644..2754		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19248	Seq. ID	OJ990426_11.9A25.C50
Gene No.	40224	Strand	-
Start	3870	End	3950
Name	OJ990426_11.9A25.C50.o2.gp	Method	AAT/GAP
Start	3870	End	3950
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	3870..3950		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19249	Seq. ID	OJ990426_11.9A25.C52
Gene No.	40225	Strand	+
Start	200	End	417
Name	OJ990426_11.9A25.C52.o1.np	Method	AAT/NAP
Start	200	End	417
GI	2967689	Score	91
Exons	200..417		
GI Descrip.	(AF035631) germacrene C synthase [Lycopersicon esculentum]		

Seq. No.	19250	Seq. ID	OJ990426_11.9A25.C54
Gene No.	40226	Strand	-
Start	598	End	1145
Name	OJ990426_11.9A25.C54.o1.gs	Method	GENSCAN
Start	598	End	1088
GI	none	Score	.79
Exons	598..849, 1028..1088		

Seq. No.	19250	Seq. ID	OJ990426_11.9A25.C54
Gene No.	40226	Strand	-
Start	598	End	1145
Name	OJ990426_11.9A25.C54.o1.tm	Method	TBLASTX:Maize
Start	598	End	1145
GI	none	Score	54
Exons	598..693, 599..694, 694..867, 710..850, 1032..1145, 1052..1141		

Seq. No.	19251	Seq. ID	OJ990426_11.9A25.C55
Gene No.	40227	Strand	-
Start	1	End	3587
Name	OJ990426_11.9A25.C55.o1.np	Method	AAT/NAP
Start	1	End	3437
GI	4733937	Score	533
Exons	1..255, 434..609, 723..901, 1431..1815, 2106..2367, 3285..3437		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	19251	Seq. ID	OJ990426_11.9A25.C55
Gene No.	40227	Strand	-
Start	1	End	3587
Name	OJ990426_11.9A25.C55.o1.gs	Method	GENSCAN
Start	114	End	3587
GI	none	Score	.73
Exons	114..255, 434..569, 677..901, 1431..1815, 2106..2444, 3287..3587		

Seq. No.	19251	Seq. ID	OJ990426_11.9A25.C55
Gene No.	40228	Strand	-
Start	4467	End	5505
Name	OJ990426_11.9A25.C55.o1.tm	Method	TBLASTX:Maize

Start	100	End	1708
GI	none	Score	62
Exons	100..243, 440..565, 450..566, 724..900, 727..900, 1433..1708, 1434..1703		

Seq. No.	19251	Seq. ID	OJ990426_11.9A25.C55
Gene No.	40228	Strand	-
Start	4467	End	5505
Name	OJ990426_11.9A25.C55.o2.gs	Method	GENSCAN
Start	4467	End	5505
GI	none	Score	.41
Exons	4467..4570, 5038..5166, 5445..5505		

Seq. No.	19252	Seq. ID	OJ990426_11.9A25.C56
Gene No.	40229	Strand	+
Start	4048	End	5504
Name	OJ990426_11.9A25.C56.o1.np	Method	AAT/NAP
Start	4048	End	5504
GI	6498436	Score	564
Exons	4048..4557, 4825..5168, 5385..5504		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	19252	Seq. ID	OJ990426_11.9A25.C56
Gene No.	40230	Strand	-
Start	2246	End	2500
Name	OJ990426_11.9A25.C56.o2.gs	Method	GENSCAN
Start	2246	End	2500
GI	none	Score	.94
Exons	2246..2500		

Seq. No.	19252	Seq. ID	OJ990426_11.9A25.C56
Gene No.	40231	Strand	-
Start	4975	End	8031
Name	OJ990426_11.9A25.C56.o3.gs	Method	GENSCAN
Start	4975	End	7256
GI	none	Score	.7
Exons	4975..5077, 6738..6892, 7059..7166, 7248..7256		

Seq. No.	19252	Seq. ID	OJ990426_11.9A25.C56
Gene No.	40231	Strand	-
Start	4975	End	8031
Name	OJ990426_11.9A25.C56.o2.np	Method	AAT/NAP
Start	6689	End	8031
GI	3377815	Score	304
Exons	6689..6892, 7059..7166, 7552..7611, 7722..7794, 7963..8031		
GI Descrip.	(AF076275) similar to protein kinases (Pfam: pkinase.hmm, score: 255.71) [Arabidopsis thaliana]		

Seq. No.	19252	Seq. ID	OJ990426_11.9A25.C56
Gene No.	40231	Strand	-
Start	4975	End	8031
Name	OJ990426_11.9A25.C56.o1.tm	Method	TBLASTX:Maize
Start	6740	End	7619
GI	none	Score	118
Exons	6740..6886, 6750..6887, 7053..7187, 7060..7167, 7549..7614, 7550..7600, 7551..7619, 7552..7617		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40232	Strand	+
Start	498	End	2194
Name	OJ990426_11.9A25.C57.o2.np	Method	AAT/NAP
Start	498	End	2194
GI	6721512	Score	74
Exons	498..558, 2087..2194		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40233	Strand	+
Start	2962	End	6281
Name	OJ990426_11.9A25.C57.o3.np	Method	AAT/NAP
Start	2962	End	3737
GI	6907089	Score	290
Exons	2962..3043, 3081..3737		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40233	Strand	+
Start	2962	End	6281
Name	OJ990426_11.9A25.C57.o4.np	Method	AAT/NAP
Start	2988	End	6281
GI	6721561	Score	383
Exons	2988..3056, 4022..4204, 4275..4333, 4401..4630, 6261..6281		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40233	Strand	+
Start	2962	End	6281
Name	OJ990426_11.9A25.C57.o1.gs	Method	GENSCAN
Start	3111	End	5544
GI	none	Score	.77
Exons	3111..3750, 3830..3954, 4022..4168, 4275..4333, 4401..4646, 4837..4955, 5054..5544		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40234	Strand	-
Start	1	End	4255
Name	OJ990426_11.9A25.C57.o1.np	Method	AAT/NAP
Start	1	End	4255
GI	3688209	Score	310
Exons	1..157, 268..340, 509..666, 832..894, 1010..1101, 4191..4255		
GI Descrip.	(AJ010093) MAP3K beta 1 protein kinase [Brassica napus]		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40235	Strand	-
Start	6524	End	7852
Name	OJ990426_11.9A25.C57.o2.tm	Method	TBLASTX:Maize
Start	259	End	1105
GI	none	Score	83
Exons	259..342, 272..343, 508..669, 515..565, 828..905, 832..897, 1052..1105		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40235	Strand	-
Start	6524	End	7852
Name	OJ990426_11.9A25.C57.o1.ts	Method	TBLASTX:Soybean
Start	511	End	897
GI	none	Score	75
Exons	511..678, 511..669, 832..897		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40235	Strand	-
Start	6524	End	7852
Name	OJ990426_11.9A25.C57.o5.np	Method	AAT/NAP
Start	6170	End	7852
GI	5902445	Score	1409
Exons	6170..7414, 7454..7852		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40235	Strand	-
Start	6524	End	7852
Name	OJ990426_11.9A25.C57.o1.tw	Method	TBLASTX:Wheat
Start	6179	End	6787
GI	none	Score	56
Exons	6179..6310, 6335..6787, 6531..6638, 6684..6773		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40235	Strand	-
Start	6524	End	7852
Name	OJ990426_11.9A25.C57.o2.gs	Method	GENSCAN
Start	6524	End	7806
GI	none	Score	.77
Exons	6524..7806		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40235	Strand	-
Start	6524	End	7852
Name	OJ990426_11.9A25.C57.o2.tw	Method	TBLASTX:Wheat
Start	6809	End	7163
GI	none	Score	157
Exons	6809..7162, 6819..7052, 7107..7163		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40235	Strand	-
Start	6524	End	7852
Name	OJ990426_11.9A25.C57.o1.tm	Method	TBLASTX:Maize
Start	6989	End	7291
GI	none	Score	142
Exons	6989..7291, 6990..7253		

Seq. No.	19253	Seq. ID	OJ990426_11.9A25.C57
Gene No.	40235	Strand	-
Start	6524	End	7852
Name	OJ990426_11.9A25.C57.o3.tw	Method	TBLASTX:Wheat
Start	7499	End	7804
GI	none	Score	82
Exons	7499..7804, 7626..7802		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40236	Strand	+
Start	1758	End	4550
Name	OJ990426_11.9A25.C58.o2.np	Method	AAT/NAP
Start	1618	End	4547
GI	4680179	Score	4140
Exons	1618..4547		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40236	Strand	+
Start	1758	End	4550
Name	OJ990426_11.9A25.C58.o2.gs	Method	GENSCAN
Start	1758	End	4550
GI	none	Score	.92
Exons	1758..2687, 2778..3626, 3756..4550		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40237	Strand	+
Start	5166	End	6094
Name	OJ990426_11.9A25.C58.o3.gs	Method	GENSCAN
Start	5166	End	6094
GI	none	Score	.92
Exons	5166..5513, 5644..5713, 6009..6094		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40238	Strand	+
Start	6523	End	6904
Name	OJ990426_11.9A25.C58.o1.gp	Method	AAT/GAP
Start	6523	End	6904
GI	uC-osflcyp033a04b1	Score	643
Exons	6523..6904		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40239	Strand	+
Start	10064	End	10181
Name	OJ990426_11.9A25.C58.o5.np	Method	AAT/NAP
Start	10064	End	10181
GI	6721512	Score	81
Exons	10064..10181		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40240	Strand	+
Start	11215	End	11619
Name	OJ990426_11.9A25.C58.o6.np	Method	AAT/NAP
Start	11215	End	11619
GI	2462640	Score	485
Exons	11215..11619		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40241	Strand	-
Start	1	End	1486

Name	OJ990426_11.9A25.C58.o1.np	Method	AAT/NAP
Start	1	End	1144
GI	5902445	Score	1307
Exons	1..1144		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40241	Strand	-
Start	1	End	1486
Name	OJ990426_11.9A25.C58.o1.gs	Method	GENSCAN
Start	43	End	1486
GI	none	Score	.71
Exons	43..882, 893..1084, 1124..1486		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40242	Strand	-
Start	6456	End	15553
Name	OJ990426_11.9A25.C58.o3.np	Method	AAT/NAP
Start	6456	End	11505
GI	4680186	Score	345
Exons	6456..6656, 7495..7548, 8890..9003, 11455..11505		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40242	Strand	-
Start	6456	End	15553
Name	OJ990426_11.9A25.C58.o4.np	Method	AAT/NAP
Start	7157	End	9492
GI	6721562	Score	436
Exons	7157..7220, 8058..8680, 8928..9492		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40242	Strand	-
Start	6456	End	15553
Name	OJ990426_11.9A25.C58.o4.gs	Method	GENSCAN
Start	7601	End	15553
GI	none	Score	.81
Exons	7601..8055, 8152..8533, 8580..8998, 9060..10000, 10045..10118, 10451..10559, 13806..13958, 14781..15208, 15425..15553		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40243	Strand	-
Start	16726	End	17781
Name	OJ990426_11.9A25.C58.o5.gs	Method	GENSCAN
Start	16726	End	17781
GI	none	Score	.99
Exons	16726..17220, 17701..17781		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40244	Strand	-
Start	19697	End	19968
Name	OJ990426_11.9A25.C58.o2.gp	Method	AAT/GAP

Start	19697	End	19968
GI	61605_1.R1084	Score	426
Exons	19697..19968		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o3.ts	Method	TBLASTX:Soybean
Start	10	End	2795
GI	none	Score	192
Exons	10..117, 136..264, 2550..2795, 2567..2695		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o5.tw	Method	TBLASTX:Wheat
Start	203	End	21922
GI	none	Score	244
Exons	203..517, 205..627, 328..582, 2193..2510, 2285..2413, 21869..21922		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o4.tm	Method	TBLASTX:Maize
Start	235	End	2579
GI	none	Score	171
Exons	235..600, 2079..2258, 2087..2206, 2265..2579, 2330..2458, 2492..2536		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o1.ts	Method	TBLASTX:Soybean
Start	286	End	2528
GI	none	Score	57
Exons	286..657, 2133..2165, 2135..2164, 2169..2528, 2171..2206, 2252..2527		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o10.tw	Method	TBLASTX:Wheat
Start	628	End	843
GI	none	Score	60
Exons	628..843, 683..769		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o9.tm	Method	TBLASTX:Maize
Start	712	End	1069
GI	none	Score	102
Exons	712..900, 872..1069, 873..980, 893..1015		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o6.tw	Method	TBLASTX:Wheat
Start	887	End	1238
GI	none	Score	71
Exons	887..1234, 888..989, 893..1213, 1065..1238		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o11.tw	Method	TBLASTX:Wheat
Start	1391	End	1570
GI	none	Score	192
Exons	1391..1570		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o4.tw	Method	TBLASTX:Wheat
Start	1706	End	2192
GI	none	Score	45
Exons	1706..2149, 1710..1760, 1784..1936, 1815..2192		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o7.tm	Method	TBLASTX:Maize
Start	1721	End	2011
GI	none	Score	268
Exons	1721..2011, 1722..2009		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o3.tw	Method	TBLASTX:Wheat
Start	2513	End	2927
GI	none	Score	558
Exons	2513..2914, 2514..2927, 2577..2921, 2614..2925		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o3.tm	Method	TBLASTX:Maize
Start	2615	End	2978
GI	none	Score	446
Exons	2615..2965, 2616..2969, 2616..2978		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o2.tw	Method	TBLASTX:Wheat
Start	2969	End	3536
GI	none	Score	634
Exons	2969..3229, 3000..3536, 3072..3530, 3284..3535		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58

Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o2.ts	Method	TBLASTX:Soybean
Start	3324	End	3584
GI	none	Score	286
Exons	3324..3584, 3381..3584		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o6.tm	Method	TBLASTX:Maize
Start	3383	End	3674
GI	none	Score	352
Exons	3383..3670, 3384..3674		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o1.tw	Method	TBLASTX:Wheat
Start	3543	End	4169
GI	none	Score	669
Exons	3543..4169, 3599..4057, 3915..4166		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o1.tm	Method	TBLASTX:Maize
Start	3723	End	4322
GI	none	Score	231
Exons	3723..3884, 3726..3878, 3882..4322, 3884..4306		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o7.tw	Method	TBLASTX:Wheat
Start	4169	End	4502
GI	none	Score	322
Exons	4169..4438, 4170..4502		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o9.tw	Method	TBLASTX:Wheat
Start	8189	End	18891
GI	none	Score	81
Exons	8189..8449, 8190..8417, 8423..8536, 8475..8525, 8537..8587, 18754..18813, 18841..18891		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o2.tm	Method	TBLASTX:Maize
Start	11251	End	12159
GI	none	Score	260
Exons	11251..11694, 11487..11519, 11589..11672, 11715..11897, 11716..12021, 12040..12159		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o5.tm	Method	TBLASTX:Maize
Start	12160	End	12537
GI	none	Score	220
Exons	12160..12363, 12160..12369, 12358..12429, 12424..12537, 12432..12536		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o8.tw	Method	TBLASTX:Wheat
Start	12172	End	12519
GI	none	Score	305
Exons	12172..12486, 12192..12488, 12202..12519		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o8.tm	Method	TBLASTX:Maize
Start	12706	End	13083
GI	none	Score	60
Exons	12706..12777, 12790..13083		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o8.np	Method	AAT/NAP
Start	20356	End	23331
GI	6063554	Score	250
Exons	20356..20528, 21165..21195, 22378..22420, 22584..22808, 23091..23331		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o3.gp	Method	AAT/GAP
Start	20968	End	21699
GI	101153_1.R1084	Score	359
Exons	20968..21194, 21670..21699		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	19254	Seq. ID	OJ990426_11.9A25.C58
Gene No.	40245	Strand	-
Start	20356	End	23331
Name	OJ990426_11.9A25.C58.o7.gs	Method	GENSCAN
Start	21977	End	22912
GI	none	Score	.7
Exons	21977..22067, 22149..22220, 22271..22564, 22584..22726, 22762..22912		

Seq. No.	19255	Seq. ID	OJ990426_11.9A25.C59

Gene No.	40246	Strand	+
Start	306	End	2089
Name	OJ990426_11.9A25.C59.o1.gs	Method	GENSCAN
Start	306	End	2089
GI	none	Score	.95
Exons	306..451, 1781..1881, 2037..2089		

Seq. No.	19255	Seq. ID	OJ990426_11.9A25.C59
Gene No.	40247	Strand	+
Start	4524	End	4935
Name	OJ990426_11.9A25.C59.o1.gp	Method	AAT/GAP
Start	4524	End	4935
GI	uC-osflcyp091c10a1	Score	788
Exons	4524..4935		
GI Descrip.	'3970689/emb|CAA77191| 2.0e-09 (Y18484) (+)-delta-cadinene synthase [Gossypium arboreum]'		

Seq. No.	19255	Seq. ID	OJ990426_11.9A25.C59
Gene No.	40248	Strand	-
Start	3828	End	4920
Name	OJ990426_11.9A25.C59.o2.gs	Method	GENSCAN
Start	3828	End	4919
GI	none	Score	.8
Exons	3828..4121, 4671..4919		

Seq. No.	19255	Seq. ID	OJ990426_11.9A25.C59
Gene No.	40248	Strand	-
Start	3828	End	4920
Name	OJ990426_11.9A25.C59.o1.tw	Method	TBLASTX:Wheat
Start	3831	End	4724
GI	none	Score	44
Exons	3831..3956, 3841..3957, 3841..3969, 3966..4112, 4042..4107, 4677..4724		

Seq. No.	19255	Seq. ID	OJ990426_11.9A25.C59
Gene No.	40248	Strand	-
Start	3828	End	4920
Name	OJ990426_11.9A25.C59.o1.tm	Method	TBLASTX:Maize
Start	3846	End	4920
GI	none	Score	45
Exons	3846..4112, 3889..3960, 4039..4110, 4671..4919, 4672..4920		

Seq. No.	19256	Seq. ID	OJ990426_11.9A25.C60
Gene No.	40249	Strand	+
Start	1469	End	1874
Name	OJ990426_11.9A25.C60.o1.gp	Method	AAT/GAP
Start	1469	End	1874
GI	uC-osflcyp091c10a1	Score	682
Exons	1469..1874		
GI Descrip.	'3970689/emb|CAA77191| 2.0e-09 (Y18484) (+)-delta-cadinene synthase [Gossypium arboreum]'		

Seq. No.	19256	Seq. ID	OJ990426_11.9A25.C60
Gene No.	40250	Strand	-
Start	789	End	2201
Name	OJ990426_11.9A25.C60.o1.gs	Method	GENSCAN
Start	789	End	2201

GI	none	Score	.9
Exons	789..1082, 1610..1858, 2136..2201		

Seq. No.	19256	Seq. ID	OJ990426_11.9A25.C60
Gene No.	40250	Strand	-
Start	789	End	2201
Name	OJ990426_11.9A25.C60.o1.tw	Method	TBLASTX:Wheat
Start	790	End	1663
GI	none	Score	63
Exons	790..927, 795..923, 847..930, 927..1073, 1003..1068, 1616..1663		

Seq. No.	19256	Seq. ID	OJ990426_11.9A25.C60
Gene No.	40250	Strand	-
Start	789	End	2201
Name	OJ990426_11.9A25.C60.o1.tm	Method	TBLASTX:Maize
Start	807	End	1860
GI	none	Score	94
Exons	807..1073, 1610..1858, 1611..1859, 1795..1860		

Seq. No.	19257	Seq. ID	OJ990426_11.9A25.C61
Gene No.	40251	Strand	-
Start	1	End	5183
Name	OJ990426_11.9A25.C61.o1.np	Method	AAT/NAP
Start	1	End	5183
GI	5360741	Score	364
Exons	1..18, 2386..2613, 3882..4260, 4804..5183		
GI Descrip.	(AB023816) vetispiradiene synthase [Solanum tuberosum]		

Seq. No.	19257	Seq. ID	OJ990426_11.9A25.C61
Gene No.	40251	Strand	-
Start	1	End	5183
Name	OJ990426_11.9A25.C61.o1.gs	Method	GENSCAN
Start	338	End	5062
GI	none	Score	.46
Exons	338..455, 2395..2613, 3882..4260, 4804..5062		

Seq. No.	19257	Seq. ID	OJ990426_11.9A25.C61
Gene No.	40251	Strand	-
Start	1	End	5183
Name	OJ990426_11.9A25.C61.o1.tm	Method	TBLASTX:Maize
Start	2388	End	4238
GI	none	Score	82
Exons	2388..2558, 2388..2621, 2389..2613, 3881..3955, 3894..3950, 3935..4069, 4076..4234, 4079..4237, 4089..4238		

Seq. No.	19257	Seq. ID	OJ990426_11.9A25.C61
Gene No.	40251	Strand	-
Start	1	End	5183
Name	OJ990426_11.9A25.C61.o1.tc	Method	TBLASTX:Cress
Start	3893	End	4259
GI	none	Score	63
Exons	3893..4258, 4170..4259		

Seq. No.	19258	Seq. ID	OJ990426_11.9A25.C62
Gene No.	40252	Strand	-
Start	1	End	4124
Name	OJ990426_11.9A25.C62.o1.np	Method	AAT/NAP

Start	1	End	1987
GI	4733937	Score	245
Exons	1..152, 692..962, 1865..1987		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	19258	Seq. ID	OJ990426_11.9A25.C62
Gene No.	40252	Strand	-
Start	1	End	4124
Name	OJ990426_11.9A25.C62.o1.gs	Method	GENSCAN
Start	692	End	4124
GI	none	Score	.76
Exons	692..950, 1476..1508, 1859..2066, 3216..3362, 3510..3681, 4037..4124		

Seq. No.	19258	Seq. ID	OJ990426_11.9A25.C62
Gene No.	40252	Strand	-
Start	1	End	4124
Name	OJ990426_11.9A25.C62.o1.gp	Method	AAT/GAP
Start	1844	End	2172
GI	none	Score	554
Exons	1844..2172		

Seq. No.	19259	Seq. ID	OJ990426_11.9A25.C63
Gene No.	40253	Strand	-
Start	943	End	1176
Name	OJ990426_11.9A25.C63.o1.gs	Method	GENSCAN
Start	943	End	1176
GI	none	Score	.51
Exons	943..1176		

Seq. No.	19260	Seq. ID	OJ990426_11.9A25.C66
Gene No.	40254	Strand	+
Start	1	End	704
Name	OJ990426_11.9A25.C66.o1.np	Method	AAT/NAP
Start	1	End	704
GI	6815052	Score	186
Exons	1..63, 497..704		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	19261	Seq. ID	OJ990426_11.9A25.C67
Gene No.	40255	Strand	-
Start	31	End	439
Name	OJ990426_11.9A25.C67.o1.tm	Method	TBLASTX:Maize
Start	2	End	193
GI	none	Score	161
Exons	2..193, 3..173, 11..178		

Seq. No.	19261	Seq. ID	OJ990426_11.9A25.C67
Gene No.	40255	Strand	-
Start	31	End	439
Name	OJ990426_11.9A25.C67.o1.gs	Method	GENSCAN
Start	31	End	439
GI	none	Score	.75
Exons	31..192, 291..439		

Seq. No.	19262	Seq. ID	OJ990426_11.9A25.C73
Gene No.	40256	Strand	-

Start	182	End	624
Name	OJ990426_11.9A25.C73.o1.gs	Method	GENSCAN
Start	182	End	624
GI	none	Score	.93
Exons	182..624		

Seq. No.	19263	Seq. ID	OJ990426_11.9A25.C74
Gene No.	40257	Strand	-
Start	95	End	793
Name	OJ990426_11.9A25.C74.o1.gs	Method	GENSCAN
Start	95	End	793
GI	none	Score	.95
Exons	95..240, 770..793		

Seq. No.	19264	Seq. ID	OJ990426_11.9A25.C75
Gene No.	40258	Strand	-
Start	316	End	1091
Name	OJ990426_11.9A25.C75.o1.np	Method	AAT/NAP
Start	316	End	1023
GI	5668598	Score	94
Exons	316..1023		
GI Descrip.	(AF106062) Wiskott-Aldrich syndrome protein interacting protein [Homo sapiens]		

Seq. No.	19264	Seq. ID	OJ990426_11.9A25.C75
Gene No.	40258	Strand	-
Start	316	End	1091
Name	OJ990426_11.9A25.C75.o1.gs	Method	GENSCAN
Start	354	End	1091
GI	none	Score	.87
Exons	354..490, 572..713, 796..1091		

Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40259	Strand	+
Start	286	End	8414
Name	OJ990426_11.9A25.C76.o1.gs	Method	GENSCAN
Start	286	End	6100
GI	none	Score	.4
Exons	286..344, 927..1057, 1442..1505, 2635..2676, 2701..2770, 4129..4301, 4389..4618, 5982..6100		

Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40259	Strand	+
Start	286	End	8414
Name	OJ990426_11.9A25.C76.o1.np	Method	AAT/NAP
Start	4129	End	6855
GI	2462763	Score	565
Exons	4129..4301, 4389..4461, 6510..6855		
GI Descrip.	(AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]		

Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40259	Strand	+
Start	286	End	8414
Name	OJ990426_11.9A25.C76.o2.gs	Method	GENSCAN
Start	6576	End	8414
GI	none	Score	.49

Exons	6576..6785, 6975..7006, 8309..8414		
Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40260	Strand	-
Start	8892	End	9046
Name	OJ990426_11.9A25.C76.o1.ts	Method	TBLASTX:Soybean
Start	4115	End	6613
GI	none	Score	86
Exons	4115..4228, 4117..4302, 4117..4302, 4386..4433, 6488..6613, 6501..6611		
Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40260	Strand	-
Start	8892	End	9046
Name	OJ990426_11.9A25.C76.o1.tc	Method	TBLASTX:Cress
Start	4117	End	6673
GI	none	Score	288
Exons	4117..4302, 4130..4216, 4170..4301, 4383..4409, 4387..4428, 6488..6673, 6501..6668		
Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40260	Strand	-
Start	8892	End	9046
Name	OJ990426_11.9A25.C76.o1.tm	Method	TBLASTX:Maize
Start	4117	End	4428
GI	none	Score	295
Exons	4117..4302, 4129..4299, 4170..4301, 4383..4409, 4387..4428		
Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40260	Strand	-
Start	8892	End	9046
Name	OJ990426_11.9A25.C76.o3.tm	Method	TBLASTX:Maize
Start	5072	End	5798
GI	none	Score	38
Exons	5072..5152, 5149..5307, 5150..5293, 5150..5308, 5162..5377, 5180..5344, 5183..5335, 5185..5304, 5193..5339, 5200..5349, 5201..5350, 5281..5358, 5288..5365, 5341..5433, 5341..5433, 5345..5434, 5356..5529, 5359..5517, 5363..5521, 5371..5526, 5372..5521, 5381..5536, 5381..5563, 5383..5535, 5384..5536, 5387..5566, 5396..5554, 5408..5554, 5412..5441, 5413..5547, 5415..5543, 5480..5704, 5500..5670, 5530..5649, 5532..5651, 5546..5653, 5553..5654, 5557..5658, 5562..5702, 5568..5669, 5569..5661, 5570..5668, 5571..5669, 5580..5666, 5584..5667, 5676..5768, 5704..5751, 5723..5797, 5724..5798, 5725..5781, 5728..5796		
Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40260	Strand	-
Start	8892	End	9046
Name	OJ990426_11.9A25.C76.o2.tm	Method	TBLASTX:Maize
Start	6500	End	6857
GI	none	Score	110
Exons	6500..6652, 6500..6667, 6501..6668, 6679..6717, 6685..6777, 6772..6792, 6798..6857, 6799..6849		
Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40260	Strand	-

Start	8892	End	9046
Name	OJ990426_11.9A25.C76.o2.ts	Method	TBLASTX:Soybean
Start	6615	End	6851
GI	none	Score	96
Exons	6615..6668, 6685..6849, 6777..6851		

Seq. No.	19265	Seq. ID	OJ990426_11.9A25.C76
Gene No.	40260	Strand	-
Start	8892	End	9046
Name	OJ990426_11.9A25.C76.o3.gs	Method	GENSCAN
Start	8892	End	9046
GI	none	Score	.55
Exons	8892..9046		

Seq. No.	19266	Seq. ID	OJ990426_11.9A25.C77
Gene No.	40261	Strand	+
Start	759	End	2108
Name	OJ990426_11.9A25.C77.o1.gs	Method	GENSCAN
Start	759	End	1808
GI	none	Score	.4
Exons	759..1115, 1308..1808		

Seq. No.	19266	Seq. ID	OJ990426_11.9A25.C77
Gene No.	40261	Strand	+
Start	759	End	2108
Name	OJ990426_11.9A25.C77.o1.np	Method	AAT/NAP
Start	870	End	1903
GI	5441880	Score	1196
Exons	870..1903		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19266	Seq. ID	OJ990426_11.9A25.C77
Gene No.	40261	Strand	+
Start	759	End	2108
Name	OJ990426_11.9A25.C77.o1.tm	Method	TBLASTX:Maize
Start	1437	End	2033
GI	none	Score	352
Exons	1437..1904, 1442..1915, 1962..2033		

Seq. No.	19266	Seq. ID	OJ990426_11.9A25.C77
Gene No.	40261	Strand	+
Start	759	End	2108
Name	OJ990426_11.9A25.C77.o1.tw	Method	TBLASTX:Wheat
Start	1733	End	2108
GI	none	Score	173
Exons	1733..1879, 1734..1910, 1934..2026, 1935..2108, 1957..2097		

Seq. No.	19267	Seq. ID	OJ990426_11.9A25.C78
Gene No.	40262	Strand	+
Start	1	End	761
Name	OJ990426_11.9A25.C78.o1.np	Method	AAT/NAP
Start	1	End	761
GI	5441880	Score	413
Exons	1..380, 698..761		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	19267	Seq. ID	OJ990426_11.9A25.C78
Gene No.	40262	Strand	+
Start	1	End	761
Name	OJ990426_11.9A25.C78.o1.tm	Method	TBLASTX:Maize
Start	3	End	524
GI	none	Score	291
Exons	3..395, 5..406, 453..524		

Seq. No.	19267	Seq. ID	OJ990426_11.9A25.C78
Gene No.	40262	Strand	+
Start	1	End	761
Name	OJ990426_11.9A25.C78.o1.tw	Method	TBLASTX:Wheat
Start	224	End	599
GI	none	Score	173
Exons	224..370, 225..401, 425..517, 426..599, 448..588		

Seq. No.	19268	Seq. ID	OJ990426_11.9A25.C80
Gene No.	40263	Strand	+
Start	176	End	1763
Name	OJ990426_11.9A25.C80.o1.gs	Method	GENSCAN
Start	176	End	1763
GI	none	Score	.72
Exons	176..519, 1694..1763		

Seq. No.	19269	Seq. ID	OJ990426_11.9A25.C81
Gene No.	40264	Strand	-
Start	176	End	275
Name	OJ990426_11.9A25.C81.o1.gs	Method	GENSCAN
Start	176	End	275
GI	none	Score	.56
Exons	176..275		

Seq. No.	19270	Seq. ID	OJ990426_11.9A25.C83
Gene No.	40265	Strand	
Start	59	End	475
Name	OJ990426_11.9A25.C83.o1.tm	Method	TBLASTX:Maize
Start	59	End	475
GI	none	Score	87
Exons	59..172, 60..164, 167..238, 227..394, 233..475		

Seq. No.	19270	Seq. ID	OJ990426_11.9A25.C83
Gene No.	40265	Strand	
Start	59	End	475
Name	OJ990426_11.9A25.C83.o1.tw	Method	TBLASTX:Wheat
Start	66	End	424
GI	none	Score	147
Exons	66..404, 110..424		

Seq. No.	19271	Seq. ID	OJ990706_14.9A14.C1
Gene No.	40266	Strand	+
Start	180	End	338
Name	OJ990706_14.9A14.C1.o1.gs	Method	GENSCAN
Start	180	End	338
GI	none	Score	.96

Exons	180..338		
Seq. No.	19272	Seq. ID	OJ990706_14.9A14.C2
Gene No.	40267	Strand	-
Start	55	End	510
Name	OJ990706_14.9A14.C2.o1.gs	Method	GENSCAN
Start	55	End	510
GI	none	Score	.93
Exons	55..510		
Seq. No.	19273	Seq. ID	OJ990706_14.9A14.C3
Gene No.	40268	Strand	+
Start	244	End	474
Name	OJ990706_14.9A14.C3.o1.gp	Method	AAT/GAP
Start	244	End	474
GI	3767784	Score	436
Exons	244..474		
Seq. No.	19274	Seq. ID	OJ990706_14.9A14.C4
Gene No.	40269	Strand	-
Start	254	End	379
Name	OJ990706_14.9A14.C4.o1.gs	Method	GENSCAN
Start	254	End	379
GI	none	Score	.48
Exons	254..379		
Seq. No.	19275	Seq. ID	OJ990706_14.9A14.C5
Gene No.	40270	Strand	-
Start	1	End	740
Name	OJ990706_14.9A14.C5.o1.np	Method	AAT/NAP
Start	1	End	740
GI	4680179	Score	1080
Exons	1..740		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	19275	Seq. ID	OJ990706_14.9A14.C5
Gene No.	40270	Strand	-
Start	1	End	740
Name	OJ990706_14.9A14.C5.o1.tm	Method	TBLASTX:Maize
Start	6	End	454
GI	none	Score	164
Exons	6..296, 8..295, 211..300, 293..454, 300..446		
Seq. No.	19275	Seq. ID	OJ990706_14.9A14.C5
Gene No.	40270	Strand	-
Start	1	End	740
Name	OJ990706_14.9A14.C5.o1.tw	Method	TBLASTX:Wheat
Start	8	End	634
GI	none	Score	59
Exons	8..634, 11..124, 120..578		
Seq. No.	19275	Seq. ID	OJ990706_14.9A14.C5
Gene No.	40270	Strand	-
Start	1	End	740
Name	OJ990706_14.9A14.C5.o1.gs	Method	GENSCAN
Start	40	End	700
GI	none	Score	.8

Exons	40..700		
Seq. No.	19275	Seq. ID	OJ990706_14.9A14.C5
Gene No.	40270	Strand	-
Start	1	End	740
Name	OJ990706_14.9A14.C5.o2.tm	Method	TBLASTX:Maize
Start	503	End	736
GI	none	Score	177
Exons	503..736, 507..728, 590..733		
Seq. No.	19275	Seq. ID	OJ990706_14.9A14.C5
Gene No.	40270	Strand	-
Start	1	End	740
Name	OJ990706_14.9A14.C5.o1.ts	Method	TBLASTX:Soybean
Start	593	End	736
GI	none	Score	111
Exons	593..736, 594..728		
Seq. No.	19276	Seq. ID	OJ990706_14.9A14.C6
Gene No.	40271	Strand	-
Start	490	End	886
Name	OJ990706_14.9A14.C6.o1.np	Method	AAT/NAP
Start	490	End	886
GI	4680179	Score	178
Exons	490..886		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40272	Strand	+
Start	2657	End	7699
Name	OJ990706_14.9A14.C7.o3.np	Method	AAT/NAP
Start	2657	End	7699
GI	4680186	Score	342
Exons	2657..2709, 6611..6662, 7498..7699		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40273	Strand	-
Start	784	End	5290
Name	OJ990706_14.9A14.C7.o1.np	Method	AAT/NAP
Start	784	End	5290
GI	4680179	Score	5419
Exons	784..4185, 4219..5290		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o6.tw	Method	TBLASTX:Wheat
Start	829	End	1162
GI	none	Score	131
Exons	829..1161, 850..1158, 893..1162		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o1.tm	Method	TBLASTX:Maize

Start	1009	End	1608
GI	none	Score	229
Exons	1009..1449, 1025..1450, 1447..1608, 1454..1600, 1456..1605		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o1.tw	Method	TBLASTX:Wheat
Start	1162	End	1788
GI	none	Score	89
Exons	1162..1788, 1165..1416, 1274..1732		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o4.tm	Method	TBLASTX:Maize
Start	1657	End	1948
GI	none	Score	207
Exons	1657..1947, 1661..1948		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o2.ts	Method	TBLASTX:Soybean
Start	1746	End	2007
GI	none	Score	156
Exons	1746..1895, 1747..2007, 1748..2002		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o1.tc	Method	TBLASTX:Cress
Start	1771	End	2088
GI	none	Score	83
Exons	1771..1914, 1772..1912, 1915..2088		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o2.tw	Method	TBLASTX:Wheat
Start	1795	End	2353
GI	none	Score	324
Exons	1795..2331, 1796..2353		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o2.tm	Method	TBLASTX:Maize
Start	2353	End	2716
GI	none	Score	165
Exons	2353..2715, 2362..2715, 2366..2716		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o3.tw	Method	TBLASTX:Wheat
Start	2362	End	2787

GI	none	Score	362
Exons	2362..2787, 2366..2755		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o3.ts	Method	TBLASTX:Soybean
Start	2536	End	2781
GI	none	Score	93
Exons	2536..2781, 2537..2764		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o3.tm	Method	TBLASTX:Maize
Start	2752	End	3252
GI	none	Score	50
Exons	2752..3066, 2795..2845, 2873..2926, 3073..3252, 3098..3244		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o5.tw	Method	TBLASTX:Wheat
Start	2788	End	3090
GI	none	Score	272
Exons	2788..3090, 2804..3088		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o1.ts	Method	TBLASTX:Soybean
Start	2803	End	3198
GI	none	Score	193
Exons	2803..3162, 2804..3094, 3122..3160, 3166..3198, 3167..3196		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o4.tw	Method	TBLASTX:Wheat
Start	3139	End	3625
GI	none	Score	269
Exons	3139..3516, 3182..3625, 3571..3621		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o2.tc	Method	TBLASTX:Cress
Start	3175	End	3492
GI	none	Score	180
Exons	3175..3492		

Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o5.tm	Method	TBLASTX:Maize
Start	3320	End	3610
GI	none	Score	185

Exons	3320..3610, 3322..3609		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o8.tw	Method	TBLASTX:Wheat
Start	3721	End	4158
GI	none	Score	61
Exons	3721..3762, 3790..3903, 3791..3904, 3949..4158, 3950..4102		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o7.tm	Method	TBLASTX:Maize
Start	3841	End	4194
GI	none	Score	187
Exons	3841..4194		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o7.tw	Method	TBLASTX:Wheat
Start	4477	End	4828
GI	none	Score	117
Exons	4477..4827, 4634..4828		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o6.tm	Method	TBLASTX:Maize
Start	4522	End	4827
GI	none	Score	91
Exons	4522..4827, 4649..4813		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o9.tw	Method	TBLASTX:Wheat
Start	4862	End	5061
GI	none	Score	117
Exons	4862..5059, 4864..5061		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o2.gs	Method	GENSCAN
Start	5555	End	7527
GI	none	Score	.86
Exons	5555..6364, 7462..7527		
Seq. No.	19277	Seq. ID	OJ990706_14.9A14.C7
Gene No.	40274	Strand	-
Start	5555	End	7632
Name	OJ990706_14.9A14.C7.o1.gp	Method	AAT/GAP
Start	7247	End	7632
GI	uC-osflcyp033a04b1	Score	665
Exons	7247..7632		

GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	19278	Seq. ID	OJ990706_14.9A14.C8
Gene No.	40275	Strand	+
Start	1	End	2794
Name	OJ990706_14.9A14.C8.o2.np	Method	AAT/NAP
Start	1	End	2794
GI	6063554	Score	166
Exons	1..69, 1223..1463, 2620..2794		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19278	Seq. ID	OJ990706_14.9A14.C8
Gene No.	40276	Strand	+
Start	3965	End	4756
Name	OJ990706_14.9A14.C8.o3.np	Method	AAT/NAP
Start	3965	End	4756
GI	4512231	Score	1261
Exons	3965..4756		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	19278	Seq. ID	OJ990706_14.9A14.C8
Gene No.	40277	Strand	-
Start	1	End	468
Name	OJ990706_14.9A14.C8.o1.np	Method	AAT/NAP
Start	1	End	468
GI	4680179	Score	343
Exons	1..468		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19278	Seq. ID	OJ990706_14.9A14.C8
Gene No.	40278	Strand	-
Start	399	End	1582
Name	OJ990706_14.9A14.C8.o1.tw	Method	TBLASTX:Wheat
Start	82	End	450
GI	none	Score	72
Exons	82..195, 83..196, 241..450, 242..394		

Seq. No.	19278	Seq. ID	OJ990706_14.9A14.C8
Gene No.	40278	Strand	-
Start	399	End	1582
Name	OJ990706_14.9A14.C8.o1.tm	Method	TBLASTX:Maize
Start	133	End	456
GI	none	Score	188
Exons	133..456		

Seq. No.	19278	Seq. ID	OJ990706_14.9A14.C8
Gene No.	40278	Strand	-
Start	399	End	1582
Name	OJ990706_14.9A14.C8.o1.gs	Method	GENSCAN
Start	399	End	1582
GI	none	Score	.49
Exons	399..476, 988..1582		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9

Gene No.	40279	Strand	+
Start	4966	End	5826
Name	OJ990706_14.9A14.C9.o2.gs	Method	GENSCAN
Start	4966	End	5826
GI	none	Score	.6
Exons	4966..5826		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40280	Strand	+
Start	6806	End	8226
Name	OJ990706_14.9A14.C9.o3.np	Method	AAT/NAP
Start	6806	End	8226
GI	5922623	Score	192
Exons	6806..6891, 7373..7526, 7694..7769, 8002..8226		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40281	Strand	+
Start	10869	End	12002
Name	OJ990706_14.9A14.C9.o5.gs	Method	GENSCAN
Start	10869	End	12002
GI	none	Score	.75
Exons	10869..12002		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40282	Strand	+
Start	17475	End	18104
Name	OJ990706_14.9A14.C9.o7.gs	Method	GENSCAN
Start	17475	End	18104
GI	none	Score	.49
Exons	17475..17488, 17501..17569, 17762..18104		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40283	Strand	-
Start	1	End	8816
Name	OJ990706_14.9A14.C9.o1.np	Method	AAT/NAP
Start	1	End	6558
GI	4680179	Score	3395
Exons	1..1917, 1945..2895, 6487..6558		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40283	Strand	-
Start	1	End	8816
Name	OJ990706_14.9A14.C9.o1.gs	Method	GENSCAN
Start	27	End	4169
GI	none	Score	.78
Exons	27..2584, 2609..2737, 2781..2956, 4104..4169		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40283	Strand	-
Start	1	End	8816
Name	OJ990706_14.9A14.C9.o1.gp	Method	AAT/GAP
Start	3889	End	4274
GI	uC-osflcyp033a04b1	Score	633

Exons	3889..4274		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40283	Strand	-
Start	1	End	8816
Name	OJ990706_14.9A14.C9.o2.np	Method	AAT/NAP
Start	5269	End	6728
GI	6721562	Score	579
Exons	5269..5511, 5563..5639, 6342..6728		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		
Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40283	Strand	-
Start	1	End	8816
Name	OJ990706_14.9A14.C9.o3.gs	Method	GENSCAN
Start	6285	End	8816
GI	none	Score	.49
Exons	6285..6773, 6839..7009, 7351..7440, 7540..7612, 8636..8714, 8768..8816		
Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40283	Strand	-
Start	1	End	8816
Name	OJ990706_14.9A14.C9.o2.gp	Method	AAT/GAP
Start	7072	End	7492
GI	uC-osflcyp172a09a1	Score	640
Exons	7072..7099, 7129..7492		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40284	Strand	-
Start	9359	End	10375
Name	OJ990706_14.9A14.C9.o4.gs	Method	GENSCAN
Start	9359	End	10375
GI	none	Score	1
Exons	9359..10375		
Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40285	Strand	-
Start	12788	End	16300
Name	OJ990706_14.9A14.C9.o6.gs	Method	GENSCAN
Start	12788	End	16294
GI	none	Score	.87
Exons	12788..13462, 13757..13811, 13985..14097, 14135..14265, 14662..14719, 15215..15326, 15409..15514, 16026..16095, 16184..16294		
Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40285	Strand	-
Start	12788	End	16300

Name	OJ990706_14.9A14.C9.o4.np	Method	AAT/NAP
Start	13150	End	16300
GI	4559345	Score	249
Exons	13150..13199, 13347..13462, 13760..13811, 13985..14037, 14135..14236, 14390..14494, 14600..14711, 15152..15326, 15409..15514, 16026..16095, 16184..16300		
GI Descrip.	(AC006585) putative protein phosphatase 2C [Arabidopsis thaliana]		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o1.tm	Method	TBLASTX:Maize
Start	115	End	468
GI	none	Score	106
Exons	115..468, 122..265, 130..417, 284..463		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o1.tw	Method	TBLASTX:Wheat
Start	115	End	540
GI	none	Score	201
Exons	115..465, 115..540, 122..538		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o3.ts	Method	TBLASTX:Soybean
Start	286	End	534
GI	none	Score	206
Exons	286..534		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o5.tm	Method	TBLASTX:Maize
Start	475	End	807
GI	none	Score	144
Exons	475..807, 476..754		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o3.tw	Method	TBLASTX:Wheat
Start	541	End	804
GI	none	Score	250
Exons	541..804, 542..802		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o2.ts	Method	TBLASTX:Soybean
Start	556	End	951
GI	none	Score	189
Exons	556..807, 566..799, 862..915, 872..913, 919..951, 919..951		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o4.tm	Method	TBLASTX:Maize
Start	862	End	1309
GI	none	Score	110
Exons	862..1305, 872..1309		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o2.tw	Method	TBLASTX:Wheat
Start	891	End	1375
GI	none	Score	232
Exons	891..1265, 892..1374, 895..1371, 935..1375		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o4.ts	Method	TBLASTX:Soybean
Start	1024	End	1338
GI	none	Score	195
Exons	1024..1338		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o7.tm	Method	TBLASTX:Maize
Start	1310	End	1503
GI	none	Score	156
Exons	1310..1465, 1312..1503		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o5.tw	Method	TBLASTX:Wheat
Start	1507	End	1860
GI	none	Score	252
Exons	1507..1860		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o4.tw	Method	TBLASTX:Wheat
Start	2194	End	2545
GI	none	Score	49
Exons	2194..2544, 2328..2396, 2372..2545		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o6.tm	Method	TBLASTX:Maize
Start	2239	End	2544
GI	none	Score	246
Exons	2239..2544		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9

Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o6.tw	Method	TBLASTX:Wheat
Start	2596	End	2794
GI	none	Score	125
Exons	2596..2754, 2597..2770, 2744..2794		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o3.gp	Method	AAT/GAP
Start	18418	End	19319
GI	3767784	Score	842
Exons	18418..18804, 19242..19319		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o8.gs	Method	GENSCAN
Start	18649	End	21027
GI	none	Score	.89
Exons	18649..18804, 19242..19333, 19405..19440, 19634..20291, 20376..20884, 20964..21027		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o1.ts	Method	TBLASTX:Soybean
Start	19311	End	19910
GI	none	Score	65
Exons	19311..19442, 19350..19442, 19530..19724, 19533..19757, 19534..19755, 19776..19910, 19777..19902		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o4.gp	Method	AAT/GAP
Start	19522	End	19926
GI	none	Score	782
Exons	19522..19926		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o3.tm	Method	TBLASTX:Maize
Start	19768	End	20057
GI	none	Score	359
Exons	19768..20046, 19770..20057		

Seq. No.	19279	Seq. ID	OJ990706_14.9A14.C9
Gene No.	40286	Strand	-
Start	18418	End	21378
Name	OJ990706_14.9A14.C9.o2.tm	Method	TBLASTX:Maize
Start	20856	End	21378
GI	none	Score	44
Exons	20856..20888, 20860..20886, 20945..21064, 20953..20997, 20956..21069, 20960..21064, 21108..21248, 21124..21249,		

21124..21261, 21131..21262, 21258..21362, 21267..21368, 21268..21378, 21268..21369

Seq. No.	19280	Seq. ID	OJ990706_14.9A14.C10
Gene No.	40287	Strand	-
Start	406	End	511
Name	OJ990706_14.9A14.C10.o1.gs	Method	GENSCAN
Start	406	End	511
GI	none	Score	1
Exons	406..511		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o1.gs	Method	GENSCAN
Start	75	End	3321
GI	none	Score	.68
Exons	75..873, 1026..1138, 1156..1880, 1961..2231, 2254..2448, 2512..3321		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o1.np	Method	AAT/NAP
Start	581	End	5668
GI	6498441	Score	5656
Exons	581..1642, 1984..2448, 2512..2885, 3069..3203, 3376..3774, 3967..4291, 4463..5457, 5595..5668		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o6.tw	Method	TBLASTX:Wheat
Start	729	End	1120
GI	none	Score	58
Exons	729..776, 783..881, 788..880, 857..946, 864..917, 926..1120, 931..1086		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o5.tw	Method	TBLASTX:Wheat
Start	1857	End	2355
GI	none	Score	78
Exons	1857..1934, 1858..1962, 1986..2246, 2063..2230, 2254..2355		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o1.tw	Method	TBLASTX:Wheat
Start	2519	End	2982
GI	none	Score	217
Exons	2519..2962, 2520..2975, 2521..2982, 2521..2976		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o2.ts	Method	TBLASTX:Soybean
Start	2560	End	2925
GI	none	Score	118
Exons	2560..2784, 2791..2925		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o1.tm	Method	TBLASTX:Maize
Start	2650	End	3006
GI	none	Score	392
Exons	2650..3006, 2685..2996, 2701..3006		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o3.tm	Method	TBLASTX:Maize
Start	3033	End	3415
GI	none	Score	275
Exons	3033..3308, 3034..3309, 3308..3415		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o2.tw	Method	TBLASTX:Wheat
Start	3090	End	3508
GI	none	Score	269
Exons	3090..3308, 3091..3309, 3145..3324, 3307..3483, 3308..3508		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o1.ts	Method	TBLASTX:Soybean
Start	3169	End	3538
GI	none	Score	147
Exons	3169..3303, 3186..3302, 3308..3538		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o3.tw	Method	TBLASTX:Wheat
Start	4139	End	4597
GI	none	Score	228
Exons	4139..4387, 4163..4387, 4228..4404, 4448..4597, 4459..4596		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12
Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o2.tm	Method	TBLASTX:Maize
Start	5082	End	5428
GI	none	Score	367
Exons	5082..5399, 5111..5398, 5228..5428		

Seq. No.	19281	Seq. ID	OJ990706_14.9A14.C12

Gene No.	40288	Strand	+
Start	75	End	5668
Name	OJ990706_14.9A14.C12.o4.tw	Method	TBLASTX:Wheat
Start	5085	End	5429
GI	none	Score	320
Exons	5085..5429, 5108..5392		

Seq. No.	19282	Seq. ID	OJ990706_14.9A14.C13
Gene No.	40289	Strand	+
Start	1	End	1115
Name	OJ990706_14.9A14.C13.o1.np	Method	AAT/NAP
Start	1	End	1112
GI	4680179	Score	1715
Exons	1..1112		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19282	Seq. ID	OJ990706_14.9A14.C13
Gene No.	40289	Strand	+
Start	1	End	1115
Name	OJ990706_14.9A14.C13.o1.ts	Method	TBLASTX:Soybean
Start	6	End	149
GI	none	Score	201
Exons	6..149, 11..148, 15..149		

Seq. No.	19282	Seq. ID	OJ990706_14.9A14.C13
Gene No.	40289	Strand	+
Start	1	End	1115
Name	OJ990706_14.9A14.C13.o2.tm	Method	TBLASTX:Maize
Start	6	End	239
GI	none	Score	335
Exons	6..239, 8..235		

Seq. No.	19282	Seq. ID	OJ990706_14.9A14.C13
Gene No.	40289	Strand	+
Start	1	End	1115
Name	OJ990706_14.9A14.C13.o1.tw	Method	TBLASTX:Wheat
Start	108	End	734
GI	none	Score	714
Exons	108..734, 111..455, 167..613, 674..733		

Seq. No.	19282	Seq. ID	OJ990706_14.9A14.C13
Gene No.	40289	Strand	+
Start	1	End	1115
Name	OJ990706_14.9A14.C13.o1.gs	Method	GENSCAN
Start	279	End	1115
GI	none	Score	.92
Exons	279..1115		

Seq. No.	19282	Seq. ID	OJ990706_14.9A14.C13
Gene No.	40289	Strand	+
Start	1	End	1115
Name	OJ990706_14.9A14.C13.o1.tm	Method	TBLASTX:Maize
Start	287	End	872
GI	none	Score	229
Exons	287..442, 288..449, 302..451, 674..871	446..610, 447..872, 606..851,	

Seq. No.	19282	Seq. ID	OJ990706_14.9A14.C13
Gene No.	40289	Strand	+
Start	1	End	1115
Name	OJ990706_14.9A14.C13.o2.tw	Method	TBLASTX:Wheat
Start	734	End	1067
GI	none	Score	312
Exons	734..1015, 735..1067		

Seq. No.	19283	Seq. ID	OJ990706_14.9A14.C14
Gene No.	40290	Strand	+
Start	1	End	1202
Name	OJ990706_14.9A14.C14.o1.np	Method	AAT/NAP
Start	1	End	1199
GI	6498441	Score	1172
Exons	1..47, 375..824, 918..1199		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19283	Seq. ID	OJ990706_14.9A14.C14
Gene No.	40290	Strand	+
Start	1	End	1202
Name	OJ990706_14.9A14.C14.o1.gs	Method	GENSCAN
Start	386	End	1202
GI	none	Score	.8
Exons	386..1202		

Seq. No.	19283	Seq. ID	OJ990706_14.9A14.C14
Gene No.	40291	Strand	-
Start	1832	End	4972
Name	OJ990706_14.9A14.C14.o1.tw	Method	TBLASTX:Wheat
Start	423	End	788
GI	none	Score	294
Exons	423..782, 425..553, 522..788		

Seq. No.	19283	Seq. ID	OJ990706_14.9A14.C14
Gene No.	40291	Strand	-
Start	1832	End	4972
Name	OJ990706_14.9A14.C14.o2.gs	Method	GENSCAN
Start	1832	End	4972
GI	none	Score	.81
Exons	1832..3617, 3739..3854, 4187..4972		

Seq. No.	19283	Seq. ID	OJ990706_14.9A14.C14
Gene No.	40291	Strand	-
Start	1832	End	4972
Name	OJ990706_14.9A14.C14.o2.np	Method	AAT/NAP
Start	1835	End	4972
GI	6907089	Score	4407
Exons	1835..3617, 3712..4972		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19284	Seq. ID	OJ990706_14.9A14.C15
Gene No.	40292	Strand	+
Start	1	End	323
Name	OJ990706_14.9A14.C15.o1.np	Method	AAT/NAP
Start	1	End	323

GI	5042454	Score	67
Exons	1..24, 270..323		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19284	Seq. ID	OJ990706_14.9A14.C15
Gene No.	40293	Strand	+
Start	270	End	2088
Name	OJ990706_14.9A14.C15.o1.gs	Method	GENSCAN
Start	270	End	2088
GI	none	Score	.69
Exons	270..440, 1721..1970, 2060..2088		

Seq. No.	19285	Seq. ID	OJ990706_14.9A14.C16
Gene No.	40294	Strand	-
Start	1	End	1254
Name	OJ990706_14.9A14.C16.o1.np	Method	AAT/NAP
Start	1	End	1254
GI	5852180	Score	113
Exons	1..96, 1213..1254		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19285	Seq. ID	OJ990706_14.9A14.C16
Gene No.	40294	Strand	-
Start	1	End	1254
Name	OJ990706_14.9A14.C16.o1.gs	Method	GENSCAN
Start	489	End	555
GI	none	Score	.42
Exons	489..555		

Seq. No.	19286	Seq. ID	OJ990706_14.9A14.C17
Gene No.	40295	Strand	-
Start	280	End	354
Name	OJ990706_14.9A14.C17.o1.gs	Method	GENSCAN
Start	280	End	354
GI	none	Score	.56
Exons	280..354		

Seq. No.	19287	Seq. ID	OJ990706_12.9A01.C1
Gene No.	40296	Strand	-
Start	43	End	147
Name	OJ990706_12.9A01.C1.o1.gs	Method	GENSCAN
Start	43	End	147
GI	none	Score	.47
Exons	43..147		

Seq. No.	19288	Seq. ID	OJ990706_12.9A01.C2
Gene No.	40297	Strand	+
Start	1	End	390
Name	OJ990706_12.9A01.C2.o2.np	Method	AAT/NAP
Start	1	End	390
GI	4680186	Score	140
Exons	1..38, 165..390		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19288	Seq. ID	OJ990706_12.9A01.C2
Gene No.	40298	Strand	-
Start	1	End	279

Name	OJ990706_12.9A01.C2.o1.gp	Method	AAT/GAP
Start	1	End	279
GI	uC-osflcyp033a04b1	Score	490
Exons	1..279		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19288	Seq. ID	OJ990706_12.9A01.C2
Gene No.	40298	Strand	-
Start	1	End	279
Name	OJ990706_12.9A01.C2.o1.gs	Method	GENSCAN
Start	70	End	145
GI	none	Score	.59
Exons	70..145		

Seq. No.	19289	Seq. ID	OJ990706_12.9A01.C3
Gene No.	40299	Strand	-
Start	167	End	430
Name	OJ990706_12.9A01.C3.o1.gs	Method	GENSCAN
Start	167	End	430
GI	none	Score	.64
Exons	167..430		

Seq. No.	19290	Seq. ID	OJ990706_12.9A01.C4
Gene No.	40300	Strand	-
Start	24	End	119
Name	OJ990706_12.9A01.C4.o1.gs	Method	GENSCAN
Start	24	End	119
GI	none	Score	.46
Exons	24..49, 116..119		

Seq. No.	19291	Seq. ID	OJ990706_12.9A01.C5
Gene No.	40301	Strand	-
Start	1	End	245
Name	OJ990706_12.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	245
GI	5091513	Score	270
Exons	1..245		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19291	Seq. ID	OJ990706_12.9A01.C5
Gene No.	40301	Strand	-
Start	1	End	245
Name	OJ990706_12.9A01.C5.o1.gs	Method	GENSCAN
Start	14	End	170
GI	none	Score	.64
Exons	14..170		

Seq. No.	19292	Seq. ID	OJ990706_12.9A01.C6
Gene No.	40302	Strand	+
Start	1	End	488
Name	OJ990706_12.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	368
GI	6523547	Score	100
Exons	1..368		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	19292	Seq. ID	OJ990706_12.9A01.C6
Gene No.	40302	Strand	+
Start	1	End	488
Name	OJ990706_12.9A01.C6.o1.gs	Method	GENSCAN
Start	64	End	437
GI	none	Score	.85
Exons	64..437		

Seq. No.	19292	Seq. ID	OJ990706_12.9A01.C6
Gene No.	40302	Strand	+
Start	1	End	488
Name	OJ990706_12.9A01.C6.o2.np	Method	AAT/NAP
Start	293	End	488
GI	4680203	Score	99
Exons	293..488		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19293	Seq. ID	OJ990706_12.9A01.C8
Gene No.	40303	Strand	-
Start	300	End	439
Name	OJ990706_12.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	161	End	439
GI	none	Score	47
Exons	161..199, 166..237, 291..437, 292..426, 296..439, 296..439		

Seq. No.	19293	Seq. ID	OJ990706_12.9A01.C8
Gene No.	40303	Strand	-
Start	300	End	439
Name	OJ990706_12.9A01.C8.o1.np	Method	AAT/NAP
Start	300	End	439
GI	600771	Score	180
Exons	300..439		
GI Descrip.	(L35844) G protein alpha subunit [Oryza sativa]		

Seq. No.	19294	Seq. ID	OJ990706_12.9A01.C9
Gene No.	40304	Strand	-
Start	137	End	843
Name	OJ990706_12.9A01.C9.o1.gs	Method	GENSCAN
Start	137	End	843
GI	none	Score	.78
Exons	137..267, 400..509, 787..843		

Seq. No.	19295	Seq. ID	OJ990706_12.9A01.C10
Gene No.	40305	Strand	+
Start	1	End	1565
Name	OJ990706_12.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	1562
GI	1346104	Score	194
Exons	1..68, 1395..1562		
GI Descrip.	GUANINE NUCLEOTIDE-BINDING PROTEIN ALPHA-1 SUBUNIT (GP-ALPHA-1) gi|540533|dbj|BAA07405| (D38232) G protein alpha subunit [Oryza sativa]		

Seq. No.	19295	Seq. ID	OJ990706_12.9A01.C10
Gene No.	40305	Strand	+
Start	1	End	1565

Name	OJ990706_12.9A01.C10.o1.gs	Method	GENSCAN
Start	1336	End	1565
GI	none	Score	.81
Exons	1336..1565		

Seq. No.	19295	Seq. ID	OJ990706_12.9A01.C10
Gene No.	40306	Strand	-
Start	1968	End	6673
Name	OJ990706_12.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	1395	End	1544
GI	none	Score	185
Exons	1395..1544, 1410..1535, 1412..1543		

Seq. No.	19295	Seq. ID	OJ990706_12.9A01.C10
Gene No.	40306	Strand	-
Start	1968	End	6673
Name	OJ990706_12.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	1395	End	1548
GI	none	Score	185
Exons	1395..1544, 1411..1545, 1412..1543, 1417..1548		

Seq. No.	19295	Seq. ID	OJ990706_12.9A01.C10
Gene No.	40306	Strand	-
Start	1968	End	6673
Name	OJ990706_12.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	1404	End	1696
GI	none	Score	227
Exons	1404..1571, 1410..1556, 1412..1570, 1625..1696		

Seq. No.	19295	Seq. ID	OJ990706_12.9A01.C10
Gene No.	40306	Strand	-
Start	1968	End	6673
Name	OJ990706_12.9A01.C10.o2.np	Method	AAT/NAP
Start	1962	End	4698
GI	4874273	Score	334
Exons	1962..2339, 2820..2966, 3102..3302, 3989..4151, 4567..4698		
GI Descrip.	(AC007354) Similar to gi|3128199 F4I1.5 putative proteinase from Arabidopsis thaliana BAC gb|AC004521.		

Seq. No.	19295	Seq. ID	OJ990706_12.9A01.C10
Gene No.	40306	Strand	-
Start	1968	End	6673
Name	OJ990706_12.9A01.C10.o2.gs	Method	GENSCAN
Start	1968	End	6673
GI	none	Score	.8
Exons	1968..2339, 3105..3302, 4036..4218, 4718..4799, 5810..5838, 6455..6673		

Seq. No.	19295	Seq. ID	OJ990706_12.9A01.C10
Gene No.	40306	Strand	-
Start	1968	End	6673
Name	OJ990706_12.9A01.C10.o2.ts	Method	TBLASTX:Soybean
Start	1977	End	2969
GI	none	Score	59
Exons	1977..2054, 2100..2183, 2214..2318, 2215..2301, 2301..2339, 2302..2340, 2820..2969		

Seq. No.	19296	Seq. ID	OJ990706_12.9A01.C11
Gene No.	40307	Strand	+
Start	122	End	1037
Name	OJ990706_12.9A01.C11.o1.gs	Method	GENSCAN
Start	122	End	1037
GI	none	Score	.96
Exons	122..129, 777..950, 980..1037		

Seq. No.	19296	Seq. ID	OJ990706_12.9A01.C11
Gene No.	40308	Strand	-
Start	1240	End	4309
Name	OJ990706_12.9A01.C11.o2.gs	Method	GENSCAN
Start	1240	End	4076
GI	none	Score	.71
Exons	1240..1244, 1473..1685, 2768..2908, 3057..3221, 3440..3512, 3762..4076		

Seq. No.	19296	Seq. ID	OJ990706_12.9A01.C11
Gene No.	40308	Strand	-
Start	1240	End	4309
Name	OJ990706_12.9A01.C11.o1.np	Method	AAT/NAP
Start	1354	End	2340
GI	4680492	Score	686
Exons	1354..2340		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	19296	Seq. ID	OJ990706_12.9A01.C11
Gene No.	40308	Strand	-
Start	1240	End	4309
Name	OJ990706_12.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	2443	End	3315
GI	none	Score	75
Exons	2443..2577, 2649..2672, 2674..2868, 2676..2864, 2919..2999, 2947..3000, 2998..3315, 2999..3223		

Seq. No.	19296	Seq. ID	OJ990706_12.9A01.C11
Gene No.	40308	Strand	-
Start	1240	End	4309
Name	OJ990706_12.9A01.C11.o3.np	Method	AAT/NAP
Start	3747	End	4309
GI	6907106	Score	356
Exons	3747..3934, 4008..4309		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19296	Seq. ID	OJ990706_12.9A01.C11
Gene No.	40308	Strand	-
Start	1240	End	4309
Name	OJ990706_12.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	3846	End	4169
GI	none	Score	124
Exons	3846..3893, 3850..3903, 3851..3976, 3851..3976, 3852..3977, 3956..3991, 3980..4006, 3987..4088, 3993..4160, 3994..4161, 4002..4028, 4140..4169		

Seq. No.	19297	Seq. ID	OJ990706_12.9A01.C12
Gene No.	40309	Strand	+

Start	70	End	886
Name	OJ990706_12.9A01.C12.o1.gs	Method	GENSCAN
Start	70	End	886
GI	none	Score	.86
Exons	70..886		

Seq. No.	19297	Seq. ID	OJ990706_12.9A01.C12
Gene No.	40309	Strand	+
Start	70	End	886
Name	OJ990706_12.9A01.C12.o1.np	Method	AAT/NAP
Start	174	End	874
GI	3204132	Score	164
Exons	174..718, 829..874		
GI Descrip.	(AJ006770) extensin [Cicer arietinum]		

Seq. No.	19297	Seq. ID	OJ990706_12.9A01.C12
Gene No.	40310	Strand	+
Start	918	End	1064
Name	OJ990706_12.9A01.C12.o1.gp	Method	AAT/GAP
Start	918	End	1064
GI	LIB3433-026-P1-K1-C1	Score	204
Exons	918..1064		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	19297	Seq. ID	OJ990706_12.9A01.C12
Gene No.	40311	Strand	-
Start	979	End	1273
Name	OJ990706_12.9A01.C12.o2.gs	Method	GENSCAN
Start	979	End	1273
GI	none	Score	.57
Exons	979..1273		

Seq. No.	19298	Seq. ID	OJ990706_12.9A01.C13
Gene No.	40312	Strand	-
Start	1	End	154
Name	OJ990706_12.9A01.C13.o1.gp	Method	AAT/GAP
Start	1	End	154
GI	LIB3433-026-P1-K1-C1	Score	220
Exons	1..154		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	19298	Seq. ID	OJ990706_12.9A01.C13
Gene No.	40313	Strand	-
Start	1245	End	2678
Name	OJ990706_12.9A01.C13.o1.np	Method	AAT/NAP
Start	542	End	2678
GI	6063554	Score	163
Exons	542..718, 1384..1412, 1875..2099, 2658..2678		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19298	Seq. ID	OJ990706_12.9A01.C13
Gene No.	40313	Strand	-
Start	1245	End	2678

Name	OJ990706_12.9A01.C13.o1.gs	Method	GENSCAN
Start	1245	End	2348
GI	none	Score	.65
Exons	1245..1361, 1862..2114, 2119..2348		

Seq. No.	19298	Seq. ID	OJ990706_12.9A01.C13
Gene No.	40314	Strand	-
Start	2928	End	5877
Name	OJ990706_12.9A01.C13.o2.np	Method	AAT/NAP
Start	2869	End	5877
GI	4680179	Score	1180
Exons	2869..3703, 5856..5877		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19298	Seq. ID	OJ990706_12.9A01.C13
Gene No.	40314	Strand	-
Start	2928	End	5877
Name	OJ990706_12.9A01.C13.o2.tw	Method	TBLASTX:Wheat
Start	2914	End	3247
GI	none	Score	127
Exons	2914..3246, 2978..3247		

Seq. No.	19298	Seq. ID	OJ990706_12.9A01.C13
Gene No.	40314	Strand	-
Start	2928	End	5877
Name	OJ990706_12.9A01.C13.o2.gs	Method	GENSCAN
Start	2928	End	4877
GI	none	Score	.59
Exons	2928..3026, 3217..3659, 4776..4877		

Seq. No.	19298	Seq. ID	OJ990706_12.9A01.C13
Gene No.	40314	Strand	-
Start	2928	End	5877
Name	OJ990706_12.9A01.C13.o1.tm	Method	TBLASTX:Maize
Start	3109	End	3693
GI	none	Score	96
Exons	3109..3534, 3110..3307, 3130..3372, 3374..3535, 3532..3579, 3539..3571, 3579..3686, 3579..3692, 3580..3693		

Seq. No.	19298	Seq. ID	OJ990706_12.9A01.C13
Gene No.	40314	Strand	-
Start	2928	End	5877
Name	OJ990706_12.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	3247	End	3702
GI	none	Score	119
Exons	3247..3585, 3256..3567, 3368..3586, 3579..3701, 3579..3701, 3589..3702		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40315	Strand	+
Start	210	End	416
Name	OJ990706_12.9A01.C14.o1.gs	Method	GENSCAN
Start	210	End	416
GI	none	Score	.65
Exons	210..416		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14

Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o1.gp	Method	AAT/GAP
Start	788	End	1376
GI	2310235	Score	299
Exons	788..825, 1237..1376		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o1.np	Method	AAT/NAP
Start	1237	End	2493
GI	4680203	Score	1463
Exons	1237..2493		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o2.gs	Method	GENSCAN
Start	1237	End	2348
GI	none	Score	.61
Exons	1237..1633, 1876..2348		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o2.gp	Method	AAT/GAP
Start	1241	End	2493
GI	342_1.R1084	Score	1922
Exons	1241..2493		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o2.tw	Method	TBLASTX:Wheat
Start	1638	End	2147
GI	none	Score	78
Exons	1638..1787, 1664..1870, 1851..1946, 1932..2003, 1955..2002, 2024..2086, 2028..2147		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	1860	End	2288
GI	none	Score	93
Exons	1860..1934, 2019..2288, 2046..2270		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o1.tc	Method	TBLASTX:Cress

Start	2021	End	2336
GI	none	Score	288
Exons	2021..2173, 2028..2336, 2213..2308		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	2028	End	2413
GI	none	Score	67
Exons	2028..2117, 2133..2336, 2156..2335, 2330..2413		

Seq. No.	19299	Seq. ID	OJ990706_12.9A01.C14
Gene No.	40316	Strand	+
Start	788	End	2493
Name	OJ990706_12.9A01.C14.o1.tw	Method	TBLASTX:Wheat
Start	2156	End	2488
GI	none	Score	276
Exons	2156..2335, 2157..2336, 2329..2424, 2329..2469, 2330..2485, 2336..2488		

Seq. No.	19300	Seq. ID	OJ990706_12.9A01.C15
Gene No.	40317	Strand	+
Start	1	End	1232
Name	OJ990706_12.9A01.C15.o1.np	Method	AAT/NAP
Start	1	End	889
GI	6742729	Score	1392
Exons	1..889		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	19300	Seq. ID	OJ990706_12.9A01.C15
Gene No.	40317	Strand	+
Start	1	End	1232
Name	OJ990706_12.9A01.C15.o1.gs	Method	GENSCAN
Start	6	End	1232
GI	none	Score	.54
Exons	6..1232		

Seq. No.	19300	Seq. ID	OJ990706_12.9A01.C15
Gene No.	40318	Strand	-
Start	1	End	1226
Name	OJ990706_12.9A01.C15.o1.gp	Method	AAT/GAP
Start	1	End	1226
GI	342_1.R1084	Score	2162
Exons	1..1226		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19300	Seq. ID	OJ990706_12.9A01.C15
Gene No.	40318	Strand	-
Start	1	End	1226
Name	OJ990706_12.9A01.C15.o1.tw	Method	TBLASTX:Wheat
Start	56	End	1207
GI	none	Score	885
Exons	56..958, 57..974, 969..1013, 973..1008, 1016..1111, 1020..1079, 1058..1198, 1059..1199, 1127..1207		

Seq. No.	19300	Seq. ID	OJ990706_12.9A01.C15
Gene No.	40318	Strand	-
Start	1	End	1226
Name	OJ990706_12.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	99	End	413
GI	none	Score	316
Exons	99..413, 110..385, 183..413		

Seq. No.	19300	Seq. ID	OJ990706_12.9A01.C15
Gene No.	40318	Strand	-
Start	1	End	1226
Name	OJ990706_12.9A01.C15.o1.tc	Method	TBLASTX:Cress
Start	340	End	792
GI	none	Score	171
Exons	340..522, 344..781, 344..787, 348..791, 541..792, 642..791		

Seq. No.	19301	Seq. ID	OJ990706_12.9A01.C16
Gene No.	40319	Strand	+
Start	1	End	3158
Name	OJ990706_12.9A01.C16.o2.np	Method	AAT/NAP
Start	1	End	2293
GI	4680203	Score	163
Exons	1..22, 2067..2293		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19301	Seq. ID	OJ990706_12.9A01.C16
Gene No.	40319	Strand	+
Start	1	End	3158
Name	OJ990706_12.9A01.C16.o1.gs	Method	GENSCAN
Start	68	End	2263
GI	none	Score	.41
Exons	68..140, 2109..2263		

Seq. No.	19301	Seq. ID	OJ990706_12.9A01.C16
Gene No.	40319	Strand	+
Start	1	End	3158
Name	OJ990706_12.9A01.C16.o1.gp	Method	AAT/GAP
Start	987	End	1368
GI	uC-osf1cyp033a04b1	Score	683
Exons	987..1368		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19301	Seq. ID	OJ990706_12.9A01.C16
Gene No.	40319	Strand	+
Start	1	End	3158
Name	OJ990706_12.9A01.C16.o2.gp	Method	AAT/GAP
Start	2069	End	3158
GI	342_1.R1084	Score	1509
Exons	2069..2359, 2395..2414, 2550..3158		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19301	Seq. ID	OJ990706_12.9A01.C16
Gene No.	40320	Strand	-
Start	920	End	3193
Name	OJ990706_12.9A01.C16.o1.np	Method	AAT/NAP

Start	920	End	3193
GI	4680186	Score	374
Exons	920..1120, 1956..2009, 3161..3193		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19302	Seq. ID	OJ990706_12.9A01.C17
Gene No.	40321	Strand	+
Start	741	End	896
Name	OJ990706_12.9A01.C17.o1.gs	Method	GENSCAN
Start	741	End	896
GI	none	Score	.57
Exons	741..896		

Seq. No.	19303	Seq. ID	OJ990706_12.9A01.C18
Gene No.	40322	Strand	+
Start	1	End	2864
Name	OJ990706_12.9A01.C18.o1.np	Method	AAT/NAP
Start	1	End	2846
GI	4680204	Score	550
Exons	1..587, 663..1759, 1869..2042, 2139..2358, 2709..2846		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	19303	Seq. ID	OJ990706_12.9A01.C18
Gene No.	40322	Strand	+
Start	1	End	2864
Name	OJ990706_12.9A01.C18.o1.gs	Method	GENSCAN
Start	72	End	2864
GI	none	Score	.81
Exons	72..422, 468..588, 700..804, 930..1072, 1074..1759, 2139..2249, 2334..2406, 2501..2599, 2679..2864		

Seq. No.	19304	Seq. ID	OJ990706_12.9A01.C19
Gene No.	40323	Strand	+
Start	215	End	1875
Name	OJ990706_12.9A01.C19.o1.gs	Method	GENSCAN
Start	215	End	1875
GI	none	Score	.63
Exons	215..344, 1501..1689, 1772..1875		

Seq. No.	19304	Seq. ID	OJ990706_12.9A01.C19
Gene No.	40324	Strand	+
Start	1889	End	1994
Name	OJ990706_12.9A01.C19.o2.gp	Method	AAT/GAP
Start	1889	End	1994
GI	5816518	Score	154
Exons	1889..1994		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19304	Seq. ID	OJ990706_12.9A01.C19
Gene No.	40325	Strand	+
Start	3711	End	4268
Name	OJ990706_12.9A01.C19.o2.gs	Method	GENSCAN
Start	3711	End	4268
GI	none	Score	.6
Exons	3711..3840, 4192..4268		

Seq. No.	19304	Seq. ID	OJ990706_12.9A01.C19
Gene No.	40326	Strand	-
Start	1	End	116
Name	OJ990706_12.9A01.C19.o1.gp	Method	AAT/GAP
Start	1	End	116
GI	21474_1.R1084	Score	194
Exons	1..116		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	19304	Seq. ID	OJ990706_12.9A01.C19
Gene No.	40327	Strand	-
Start	1578	End	5226
Name	OJ990706_12.9A01.C19.o1.np	Method	AAT/NAP
Start	1578	End	5226
GI	5091513	Score	287
Exons	1578..1618, 3306..3750, 3803..4007, 4740..5226		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19304	Seq. ID	OJ990706_12.9A01.C19
Gene No.	40327	Strand	-
Start	1578	End	5226
Name	OJ990706_12.9A01.C19.o3.gs	Method	GENSCAN
Start	4445	End	5020
GI	none	Score	.91
Exons	4445..5020		

Seq. No.	19305	Seq. ID	OJ990706_12.9A01.C20
Gene No.	40328	Strand	+
Start	4890	End	5673
Name	OJ990706_12.9A01.C20.o2.np	Method	AAT/NAP
Start	4890	End	5673
GI	4680183	Score	182
Exons	4890..4997, 5584..5673		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19305	Seq. ID	OJ990706_12.9A01.C20
Gene No.	40329	Strand	+
Start	6365	End	6691
Name	OJ990706_12.9A01.C20.o3.np	Method	AAT/NAP
Start	6365	End	6691
GI	6721560	Score	148
Exons	6365..6691		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19305	Seq. ID	OJ990706_12.9A01.C20
Gene No.	40330	Strand	-
Start	1	End	6553
Name	OJ990706_12.9A01.C20.o1.np	Method	AAT/NAP
Start	1	End	2035
GI	5091513	Score	1280
Exons	1..337, 1036..2035		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19305	Seq. ID	OJ990706_12.9A01.C20

Gene No.	40330	Strand	-
Start	1	End	6553
Name	OJ990706_12.9A01.C20.o1.gs	Method	GENSCAN
Start	33	End	6553
GI	none	Score	.42
Exons	33..355, 1218..1525, 1747..1962, 2763..2886, 3034..3093, 5384..5450, 6543..6553		

Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40331	Strand	+
Start	6183	End	9312
Name	OJ990706_12.9A01.C21.o1.np	Method	AAT/NAP
Start	6183	End	9312
GI	5902445	Score	2766
Exons	6183..7965, 7999..9312		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o5.tm	Method	TBLASTX:Maize
Start	4484	End	4738
GI	none	Score	186
Exons	4484..4738		

Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o7.tw	Method	TBLASTX:Wheat
Start	4502	End	4900
GI	none	Score	253
Exons	4502..4900, 4627..4770		

Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o6.tw	Method	TBLASTX:Wheat
Start	5483	End	5937
GI	none	Score	135
Exons	5483..5665, 5491..5664, 5703..5771, 5738..5821, 5761..5838, 5775..5831, 5817..5924, 5818..5937		

Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o1.tw	Method	TBLASTX:Wheat
Start	6129	End	6582
GI	none	Score	72
Exons	6129..6191, 6134..6190, 6185..6568, 6193..6582, 6200..6571, 6235..6582		

Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	6257	End	6586
GI	none	Score	372

Exons	6257..6586, 6311..6562, 6319..6585		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o3.tm	Method	TBLASTX:Maize
Start	6659	End	7041
GI	none	Score	210
Exons	6659..6898, 6829..6906, 6894..7040, 6898..7041		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o2.tw	Method	TBLASTX:Wheat
Start	6716	End	7139
GI	none	Score	211
Exons	6716..6898, 6718..6906, 6719..6901, 6829..6936, 6894..7139, 6898..7137		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	6770	End	7164
GI	none	Score	134
Exons	6770..6892, 6829..6900, 6898..7164, 6993..7037		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o5.tw	Method	TBLASTX:Wheat
Start	7288	End	7692
GI	none	Score	193
Exons	7288..7509, 7338..7505, 7519..7692, 7534..7692		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o2.ts	Method	TBLASTX:Soybean
Start	7408	End	7791
GI	none	Score	80
Exons	7408..7515, 7543..7791		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o2.tm	Method	TBLASTX:Maize
Start	8188	End	8493
GI	none	Score	334
Exons	8188..8493, 8205..8492		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o4.tw	Method	TBLASTX:Wheat
Start	8188	End	8571
GI	none	Score	334

Exons	8188..8571, 8211..8570		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o3.tw	Method	TBLASTX:Wheat
Start	8695	End	9303
GI	none	Score	357
Exons	8695..9147, 8710..8775, 8844..8951, 9172..9303		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o4.tm	Method	TBLASTX:Maize
Start	8917	End	9180
GI	none	Score	186
Exons	8917..9180		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o2.gs	Method	GENSCAN
Start	10834	End	13009
GI	none	Score	.75
Exons	10834..11131, 11242..11598, 11807..12015, 12083..12207, 12289..13009		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o2.np	Method	AAT/NAP
Start	10837	End	12077
GI	6721561	Score	1015
Exons	10837..11598, 11679..11737, 11824..12077		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19306	Seq. ID	OJ990706_12.9A01.C21
Gene No.	40332	Strand	-
Start	10834	End	13009
Name	OJ990706_12.9A01.C21.o3.np	Method	AAT/NAP
Start	10968	End	13009
GI	6721558	Score	256
Exons	10968..11180, 12083..12207, 12910..13009		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40333	Strand	+
Start	1	End	4493
Name	OJ990706_12.9A01.C22.o1.np	Method	AAT/NAP
Start	1	End	4493
GI	81286	Score	76

Exons	1..47, 2180..2774, 4450..4493		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40333	Strand	+
Start	1	End	4493
Name	OJ990706_12.9A01.C22.o1.gs	Method	GENSCAN
Start	2180	End	2773
GI	none	Score	.44
Exons	2180..2773		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o2.np	Method	AAT/NAP
Start	5708	End	12878
GI	6815097	Score	392
Exons	5708..5867, 6485..6941, 11523..11643, 12832..12878		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o2.tm	Method	TBLASTX:Maize
Start	6145	End	6474
GI	none	Score	261
Exons	6145..6474		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o2.gs	Method	GENSCAN
Start	7535	End	12173
GI	none	Score	.79
Exons	7535..7978, 8040..8222, 8252..8431, 8603..9067, 9202..10380, 10440..10571, 10622..10951, 11361..12173		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o3.tw	Method	TBLASTX:Wheat
Start	8627	End	8986
GI	none	Score	194
Exons	8627..8986		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o2.tw	Method	TBLASTX:Wheat
Start	9763	End	10122
GI	none	Score	96
Exons	9763..9900, 9922..10122, 9934..10110, 9936..10121		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+

Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o3.np	Method	AAT/NAP
Start	10575	End	12170
GI	4206306	Score	1158
Exons	10575..11449, 11496..12170		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o1.tm	Method	TBLASTX:Maize
Start	10904	End	11362
GI	none	Score	345
Exons	10904..11362, 11029..11223, 11269..11361		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o1.tw	Method	TBLASTX:Wheat
Start	11012	End	11401
GI	none	Score	241
Exons	11012..11401		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o4.tw	Method	TBLASTX:Wheat
Start	11565	End	12161
GI	none	Score	100
Exons	11565..11684, 11712..11843, 12036..12161		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o3.tm	Method	TBLASTX:Maize
Start	11610	End	11852
GI	none	Score	202
Exons	11610..11852		

Seq. No.	19307	Seq. ID	OJ990706_12.9A01.C22
Gene No.	40334	Strand	+
Start	5708	End	12878
Name	OJ990706_12.9A01.C22.o4.tm	Method	TBLASTX:Maize
Start	11859	End	12119
GI	none	Score	188
Exons	11859..12119, 11900..12094		

Seq. No.	19308	Seq. ID	OJ990706_12.9A01.C23
Gene No.	40335	Strand	+
Start	127	End	282
Name	OJ990706_12.9A01.C23.o1.gs	Method	GENSCAN
Start	127	End	282
GI	none	Score	.68
Exons	127..282		

Seq. No.	19308	Seq. ID	OJ990706_12.9A01.C23
Gene No.	40336	Strand	+

Start	366	End	9980
Name	OJ990706_12.9A01.C23.o1.np	Method	AAT/NAP
Start	366	End	9980
GI	6815109	Score	176
Exons	366..426, 913..1125, 1619..1694, 8691..9721, 9754..9896, 9928..9980		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19308	Seq. ID	OJ990706_12.9A01.C23
Gene No.	40336	Strand	+
Start	366	End	9980
Name	OJ990706_12.9A01.C23.o3.gs	Method	GENSCAN
Start	6748	End	9242
GI	none	Score	.52
Exons	6748..6930, 7280..7442, 7891..7949, 8691..9242		

Seq. No.	19308	Seq. ID	OJ990706_12.9A01.C23
Gene No.	40337	Strand	-
Start	750	End	1866
Name	OJ990706_12.9A01.C23.o2.gs	Method	GENSCAN
Start	750	End	1866
GI	none	Score	.73
Exons	750..823, 1414..1730, 1790..1866		

Seq. No.	19308	Seq. ID	OJ990706_12.9A01.C23
Gene No.	40338	Strand	-
Start	10629	End	10907
Name	OJ990706_12.9A01.C23.o4.gs	Method	GENSCAN
Start	10629	End	10907
GI	none	Score	.62
Exons	10629..10679, 10815..10907		

Seq. No.	19309	Seq. ID	OJ990706_12.9A01.C27
Gene No.	40339	Strand	+
Start	135	End	4207
Name	OJ990706_12.9A01.C27.o1.gs	Method	GENSCAN
Start	135	End	4201
GI	none	Score	.87
Exons	135..302, 1846..1982, 2845..2905, 2999..3152, 3448..3536, 4083..4201		

Seq. No.	19309	Seq. ID	OJ990706_12.9A01.C27
Gene No.	40339	Strand	+
Start	135	End	4207
Name	OJ990706_12.9A01.C27.o1.np	Method	AAT/NAP
Start	714	End	4207
GI	6002585	Score	348
Exons	714..786, 1837..1982, 2845..2905, 2987..3152, 3448..3540, 4072..4207		
GI Descrip.	(AF091035) GTP-binding protein RAB21 [Homo sapiens]		

Seq. No.	19309	Seq. ID	OJ990706_12.9A01.C27
Gene No.	40339	Strand	+
Start	135	End	4207
Name	OJ990706_12.9A01.C27.o1.gp	Method	AAT/GAP
Start	1844	End	3170
GI	LIB3477-005-P1-K1-E9	Score	676

Exons	1844..1982, 2845..2905, 2987..3170		
GI Descrip.	'2500067/sp|P55745|RB21_CANFA 5.0e-40 RAS-RELATED PROTEIN RAB-21'		
Seq. No.	19309	Seq. ID	OJ990706_12.9A01.C27
Gene No.	40339	Strand	+
Start	135	End	4207
Name	OJ990706_12.9A01.C27.o2.gp	Method	AAT/GAP
Start	3477	End	3871
GI	3107464	Score	601
Exons	3477..3871		
Seq. No.	19309	Seq. ID	OJ990706_12.9A01.C27
Gene No.	40340	Strand	-
Start	4771	End	5208
Name	OJ990706_12.9A01.C27.o1.tc	Method	TBLASTX:Cress
Start	1836	End	3159
GI	none	Score	100
Exons	1836..1982, 2844..2912, 2845..2901, 2965..3159, 2982..3155		
Seq. No.	19309	Seq. ID	OJ990706_12.9A01.C27
Gene No.	40340	Strand	-
Start	4771	End	5208
Name	OJ990706_12.9A01.C27.o1.tm	Method	TBLASTX:Maize
Start	1836	End	3535
GI	none	Score	91
Exons	1836..1982, 2844..2903, 2845..2901, 2965..3159, 2982..3155, 3446..3535		
Seq. No.	19309	Seq. ID	OJ990706_12.9A01.C27
Gene No.	40340	Strand	-
Start	4771	End	5208
Name	OJ990706_12.9A01.C27.o1.ts	Method	TBLASTX:Soybean
Start	1836	End	3535
GI	none	Score	93
Exons	1836..1982, 2844..2912, 2845..2901, 2965..3159, 2982..3116, 3449..3535		
Seq. No.	19309	Seq. ID	OJ990706_12.9A01.C27
Gene No.	40340	Strand	-
Start	4771	End	5208
Name	OJ990706_12.9A01.C27.o2.gs	Method	GENSCAN
Start	4771	End	5208
GI	none	Score	.67
Exons	4771..5208		
Seq. No.	19310	Seq. ID	OJ990706_12.9A01.C28
Gene No.	40341	Strand	+
Start	1608	End	1719
Name	OJ990706_12.9A01.C28.o1.gs	Method	GENSCAN
Start	1608	End	1719
GI	none	Score	.55
Exons	1608..1719		
Seq. No.	19310	Seq. ID	OJ990706_12.9A01.C28
Gene No.	40342	Strand	-
Start	2413	End	2592

Name	OJ990706_12.9A01.C28.o1.gp	Method	AAT/GAP
Start	2413	End	2592
GI	2275823	Score	352
Exons	2413..2592		

Seq. No.	19311	Seq. ID	OJ990706_12.9A01.C29
Gene No.	40343	Strand	+
Start	1696	End	5197
Name	OJ990706_12.9A01.C29.o1.gp	Method	AAT/GAP
Start	1696	End	4176
GI	102_1.R1084	Score	1146
Exons	1696..1761, 2281..2473, 2572..2644, 2895..2932, 3014..3103, 3252..3329, 3884..3991, 4075..4176		
GI Descrip.	'1346104/sp|P49083|GBA1_ORYSA 0.0e+00 GUANINE NUCLEOTIDE-BINDING PROTEIN ALPHA-1 SUBUNIT (GP-ALPHA-1) >gi_540533_dbj_BAA07405_ (D38232) G protein alpha subunit [Oryza sativa]'		

Seq. No.	19311	Seq. ID	OJ990706_12.9A01.C29
Gene No.	40343	Strand	+
Start	1696	End	5197
Name	OJ990706_12.9A01.C29.o1.gs	Method	GENSCAN
Start	2381	End	5197
GI	none	Score	.87
Exons	2381..2473, 2895..2932, 3014..3122, 3252..3329, 3857..3991, 4075..4176, 4683..4814, 5042..5197		

Seq. No.	19311	Seq. ID	OJ990706_12.9A01.C29
Gene No.	40343	Strand	+
Start	1696	End	5197
Name	OJ990706_12.9A01.C29.o1.ts	Method	TBLASTX:Soybean
Start	2405	End	3985
GI	none	Score	53
Exons	2405..2473, 2407..2469, 2569..2646, 2574..2645, 2893..2931, 2897..2935, 2999..3130, 3010..3123, 3249..3329, 3254..3331, 3842..3985		

Seq. No.	19311	Seq. ID	OJ990706_12.9A01.C29
Gene No.	40343	Strand	+
Start	1696	End	5197
Name	OJ990706_12.9A01.C29.o1.np	Method	AAT/NAP
Start	2411	End	4176
GI	1346104	Score	683
Exons	2411..2473, 2572..2644, 2895..2932, 3014..3103, 3252..3329, 3884..3991, 4075..4176		
GI Descrip.	GUANINE NUCLEOTIDE-BINDING PROTEIN ALPHA-1 SUBUNIT (GP-ALPHA-1) gi|540533|dbj|BAA07405| (D38232) G protein alpha subunit [Oryza sativa]		

Seq. No.	19311	Seq. ID	OJ990706_12.9A01.C29
Gene No.	40343	Strand	+
Start	1696	End	5197
Name	OJ990706_12.9A01.C29.o1.tc	Method	TBLASTX:Cress
Start	2568	End	4177
GI	none	Score	84
Exons	2568..2645, 2569..2646, 2893..2931, 2897..2935, 2999..3118, 3010..3117, 3887..3991, 4057..4176, 4067..4177, 4075..4176		

Seq. No.	19311	Seq. ID	OJ990706_12.9A01.C29
Gene No.	40343	Strand	+
Start	1696	End	5197
Name	OJ990706_12.9A01.C29.o1.tm	Method	TBLASTX:Maize
Start	3263	End	4178
GI	none	Score	98
Exons	3263..3325, 3264..3329, 3878..3991, 3879..3992, 3880..3993, 4050..4178, 4075..4176		

Seq. No.	19312	Seq. ID	OJ990706_12.9A01.C30
Gene No.	40344	Strand	+
Start	251	End	1811
Name	OJ990706_12.9A01.C30.o1.gs	Method	GENSCAN
Start	251	End	1811
GI	none	Score	.49
Exons	251..377, 1580..1623, 1642..1811		

Seq. No.	19312	Seq. ID	OJ990706_12.9A01.C30
Gene No.	40345	Strand	-
Start	618	End	2242
Name	OJ990706_12.9A01.C30.o1.np	Method	AAT/NAP
Start	618	End	2242
GI	5852181	Score	112
Exons	618..659, 1875..2242		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	19313	Seq. ID	OJ990706_12.9A01.C31
Gene No.	40346	Strand	+
Start	278	End	393
Name	OJ990706_12.9A01.C31.o1.gs	Method	GENSCAN
Start	278	End	393
GI	none	Score	.7
Exons	278..393		

Seq. No.	19314	Seq. ID	OJ990706_12.9A01.C34
Gene No.	40347	Strand	+
Start	216	End	723
Name	OJ990706_12.9A01.C34.o1.gs	Method	GENSCAN
Start	216	End	620
GI	none	Score	.94
Exons	216..620		

Seq. No.	19314	Seq. ID	OJ990706_12.9A01.C34
Gene No.	40347	Strand	+
Start	216	End	723
Name	OJ990706_12.9A01.C34.o1.np	Method	AAT/NAP
Start	224	End	723
GI	5042454	Score	127
Exons	224..357, 517..723		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19315	Seq. ID	OJ990916_19.9A29.C1
Gene No.	40348	Strand	+
Start	1825	End	1881
Name	OJ990916_19.9A29.C1.o1.gp	Method	AAT/GAP
Start	1825	End	1881
GI	2312838	Score	67

Exons	1825..1881		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	19315	Seq. ID	OJ990916_19.9A29.C1
Gene No.	40349	Strand	-
Start	422	End	1729
Name	OJ990916_19.9A29.C1.o1.gs	Method	GENSCAN
Start	422	End	1729
GI	none	Score	.66
Exons	422..627, 1441..1729		
Seq. No.	19316	Seq. ID	OJ990916_19.9A29.C2
Gene No.	40350	Strand	-
Start	126	End	503
Name	OJ990916_19.9A29.C2.o1.gs	Method	GENSCAN
Start	126	End	503
GI	none	Score	.77
Exons	126..503		
Seq. No.	19317	Seq. ID	OJ990916_19.9A29.C3
Gene No.	40351	Strand	+
Start	189	End	483
Name	OJ990916_19.9A29.C3.o1.gs	Method	GENSCAN
Start	189	End	483
GI	none	Score	.71
Exons	189..356, 397..483		
Seq. No.	19317	Seq. ID	OJ990916_19.9A29.C3
Gene No.	40352	Strand	-
Start	1850	End	5035
Name	OJ990916_19.9A29.C3.o2.gs	Method	GENSCAN
Start	1850	End	5035
GI	none	Score	.58
Exons	1850..2226, 2517..2628, 3520..3615, 3984..4183, 4726..5035		
Seq. No.	19317	Seq. ID	OJ990916_19.9A29.C3
Gene No.	40352	Strand	-
Start	1850	End	5035
Name	OJ990916_19.9A29.C3.o1.tm	Method	TBLASTX:Maize
Start	1871	End	3825
GI	none	Score	55
Exons	1871..2068, 3511..3705, 3516..3716, 3720..3821, 3721..3825		
Seq. No.	19317	Seq. ID	OJ990916_19.9A29.C3
Gene No.	40352	Strand	-
Start	1850	End	5035
Name	OJ990916_19.9A29.C3.o1.tw	Method	TBLASTX:Wheat
Start	2018	End	4154
GI	none	Score	85
Exons	2018..2143, 3765..3917, 3936..4154		
Seq. No.	19317	Seq. ID	OJ990916_19.9A29.C3
Gene No.	40352	Strand	-
Start	1850	End	5035
Name	OJ990916_19.9A29.C3.o2.np	Method	AAT/NAP
Start	3309	End	4238

GI	6069646	Score	317
Exons	3309..3716, 3747..4238		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	19318	Seq. ID	OJ990916_19.9A29.C4
Gene No.	40353	Strand	+
Start	3011	End	3107
Name	OJ990916_19.9A29.C4.o2.np	Method	AAT/NAP
Start	3011	End	3107
GI	5777617	Score	61
Exons	3011..3107		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	19318	Seq. ID	OJ990916_19.9A29.C4
Gene No.	40354	Strand	-
Start	1	End	3212
Name	OJ990916_19.9A29.C4.o1.np	Method	AAT/NAP
Start	1	End	1783
GI	2980766	Score	195
Exons	1..33, 357..556, 632..792, 1348..1783		
GI Descrip.	(AL022198) putative calmodulin-binding protein [Arabidopsis thaliana]		

Seq. No.	19318	Seq. ID	OJ990916_19.9A29.C4
Gene No.	40354	Strand	-
Start	1	End	3212
Name	OJ990916_19.9A29.C4.o1.gs	Method	GENSCAN
Start	63	End	3212
GI	none	Score	.74
Exons	63..233, 361..531, 1348..1826, 1977..2023, 3102..3212		

Seq. No.	19318	Seq. ID	OJ990916_19.9A29.C4
Gene No.	40354	Strand	-
Start	1	End	3212
Name	OJ990916_19.9A29.C4.o1.ts	Method	TBLASTX:Soybean
Start	1352	End	1807
GI	none	Score	67
Exons	1352..1600, 1607..1687, 1697..1807		

Seq. No.	19319	Seq. ID	OJ990916_19.9A29.C5
Gene No.	40355	Strand	+
Start	2765	End	3608
Name	OJ990916_19.9A29.C5.o1.np	Method	AAT/NAP
Start	2765	End	3608
GI	2244874	Score	116
Exons	2765..3032, 3245..3359, 3446..3608		
GI Descrip.	(Z97338) cell wall protein like [Arabidopsis thaliana]		

Seq. No.	19319	Seq. ID	OJ990916_19.9A29.C5
Gene No.	40356	Strand	-
Start	4334	End	4693
Name	OJ990916_19.9A29.C5.o2.gs	Method	GENSCAN
Start	4334	End	4693

GI	none	Score	.82
Exons	4334..4693		

Seq. No.	19320	Seq. ID	OJ990916_19.9A29.C6
Gene No.	40357	Strand	-
Start	657	End	5939
Name	OJ990916_19.9A29.C6.o1.gs	Method	GENSCAN
Start	657	End	5939
GI	none	Score	.94
Exons	657..1204, 1294..1446, 1528..1665, 1797..1992, 2125..2285, 2611..2914, 2976..3090, 4070..4146, 4705..4834, 5800..5939		

Seq. No.	19320	Seq. ID	OJ990916_19.9A29.C6
Gene No.	40357	Strand	-
Start	657	End	5939
Name	OJ990916_19.9A29.C6.o1.np	Method	AAT/NAP
Start	2125	End	3057
GI	2980766	Score	219
Exons	2125..2285, 2611..3057		
GI Descrip.	(AL022198) putative calmodulin-binding protein [Arabidopsis thaliana]		

Seq. No.	19321	Seq. ID	OJ990916_19.9A29.C7
Gene No.	40358	Strand	+
Start	1011	End	4007
Name	OJ990916_19.9A29.C7.o1.gs	Method	GENSCAN
Start	1011	End	4007
GI	none	Score	.6
Exons	1011..1708, 1714..2062, 2951..3157, 3797..4007		

Seq. No.	19321	Seq. ID	OJ990916_19.9A29.C7
Gene No.	40358	Strand	+
Start	1011	End	4007
Name	OJ990916_19.9A29.C7.o1.np	Method	AAT/NAP
Start	1171	End	3330
GI	6665714	Score	77
Exons	1171..1400, 3301..3330		
GI Descrip.	(AF211191) polypyrimidine tract binding protein [Drosophila melanogaster]		

Seq. No.	19321	Seq. ID	OJ990916_19.9A29.C7
Gene No.	40359	Strand	-
Start	554	End	3400
Name	OJ990916_19.9A29.C7.o2.np	Method	AAT/NAP
Start	554	End	3400
GI	6016874	Score	99
Exons	554..588, 3218..3400		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	19322	Seq. ID	OJ990916_19.9A29.C8
Gene No.	40360	Strand	+
Start	362	End	541
Name	OJ990916_19.9A29.C8.o1.gs	Method	GENSCAN
Start	362	End	541
GI	none	Score	.59

Exons	362..541		
Seq. No.	19322	Seq. ID	OJ990916_19.9A29.C8
Gene No.	40361	Strand	+
Start	1717	End	1971
Name	OJ990916_19.9A29.C8.o1.gp	Method	AAT/GAP
Start	1717	End	1971
GI	2309883	Score	369
Exons	1717..1971		
GI Descrip.	2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds		
Seq. No.	19322	Seq. ID	OJ990916_19.9A29.C8
Gene No.	40362	Strand	+
Start	4955	End	5448
Name	OJ990916_19.9A29.C8.o3.gs	Method	GENSCAN
Start	4955	End	5448
GI	none	Score	.94
Exons	4955..5137, 5437..5448		
Seq. No.	19323	Seq. ID	OJ990916_19.9A29.C9
Gene No.	40363	Strand	+
Start	146	End	270
Name	OJ990916_19.9A29.C9.o1.gs	Method	GENSCAN
Start	146	End	270
GI	none	Score	.77
Exons	146..270		
Seq. No.	19324	Seq. ID	OJ990916_19.9A29.C10
Gene No.	40364	Strand	-
Start	1	End	741
Name	OJ990916_19.9A29.C10.o1.np	Method	AAT/NAP
Start	1	End	741
GI	5441880	Score	523
Exons	1..20, 202..643, 709..741		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	19324	Seq. ID	OJ990916_19.9A29.C10
Gene No.	40364	Strand	-
Start	1	End	741
Name	OJ990916_19.9A29.C10.o1.gs	Method	GENSCAN
Start	196	End	393
GI	none	Score	.66
Exons	196..393		
Seq. No.	19325	Seq. ID	OJ990916_19.9A29.C11
Gene No.	40365	Strand	+
Start	1	End	371
Name	OJ990916_19.9A29.C11.o1.gp	Method	AAT/GAP
Start	1	End	371
GI	7406_1.R1084	Score	506
Exons	1..262, 297..371		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40366	Strand	+
Start	464	End	649
Name	OJ990916_19.9A29.C12.o1.gs	Method	GENSCAN
Start	464	End	649
GI	none	Score	.99
Exons	464..649		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40367	Strand	+
Start	843	End	978
Name	OJ990916_19.9A29.C12.o1.gp	Method	AAT/GAP
Start	843	End	978
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	843..874, 916..978		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40368	Strand	+
Start	3102	End	4347
Name	OJ990916_19.9A29.C12.o1.np	Method	AAT/NAP
Start	3102	End	4347
GI	6721543	Score	118
Exons	3102..3232, 4299..4347		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40368	Strand	+
Start	3102	End	4347
Name	OJ990916_19.9A29.C12.o3.gp	Method	AAT/GAP
Start	3116	End	3566
GI	7406_1.R1084	Score	515
Exons	3116..3457, 3492..3566		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40369	Strand	-
Start	1025	End	1117
Name	OJ990916_19.9A29.C12.o2.gp	Method	AAT/GAP
Start	1025	End	1117
GI	21474_1.R1084	Score	128
Exons	1025..1117		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40370	Strand	-
Start	1905	End	2081
Name	OJ990916_19.9A29.C12.o2.gs	Method	GENSCAN
Start	1905	End	2081
GI	none	Score	.65
Exons	1905..2081		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40371	Strand	-
Start	2976	End	5650
Name	OJ990916_19.9A29.C12.o3.gs	Method	GENSCAN
Start	2976	End	5592
GI	none	Score	.77
Exons	2976..3101, 3781..3947, 4083..4352, 4416..4547, 4638..4887, 4980..5238, 5315..5592		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40371	Strand	-
Start	2976	End	5650
Name	OJ990916_19.9A29.C12.o4.gp	Method	AAT/GAP
Start	3509	End	3962
GI	LIB3431-045-P1-N1-A10	Score	836
Exons	3509..3962		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40371	Strand	-
Start	2976	End	5650
Name	OJ990916_19.9A29.C12.o2.np	Method	AAT/NAP
Start	4066	End	5650
GI	5441880	Score	1677
Exons	4066..4300, 4416..4547, 4638..4735, 4980..5238, 5315..5650		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19326	Seq. ID	OJ990916_19.9A29.C12
Gene No.	40371	Strand	-
Start	2976	End	5650
Name	OJ990916_19.9A29.C12.o5.gp	Method	AAT/GAP
Start	4988	End	5487
GI	LIB3475-007-P1-K1-G8	Score	801
Exons	4988..5238, 5315..5487		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	19327	Seq. ID	OJ990916_19.9A29.C13
Gene No.	40372	Strand	-
Start	1	End	764
Name	OJ990916_19.9A29.C13.o1.np	Method	AAT/NAP
Start	1	End	764
GI	5441880	Score	787
Exons	1..497, 603..764		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19327	Seq. ID	OJ990916_19.9A29.C13
Gene No.	40372	Strand	-
Start	1	End	764
Name	OJ990916_19.9A29.C13.o1.gs	Method	GENSCAN
Start	161	End	751

GI	none	Score	.54
Exons	161..497, 603..751		

Seq. No.	19328	Seq. ID	OJ990916_19.9A29.C14
Gene No.	40373	Strand	-
Start	1	End	1626
Name	OJ990916_19.9A29.C14.o1.np	Method	AAT/NAP
Start	1	End	1174
GI	5441880	Score	1722
Exons	1..90, 163..1174		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19328	Seq. ID	OJ990916_19.9A29.C14
Gene No.	40373	Strand	-
Start	1	End	1626
Name	OJ990916_19.9A29.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	320
GI	none	Score	82
Exons	1..120, 6..116, 114..311, 126..320		

Seq. No.	19328	Seq. ID	OJ990916_19.9A29.C14
Gene No.	40373	Strand	-
Start	1	End	1626
Name	OJ990916_19.9A29.C14.o1.tm	Method	TBLASTX:Maize
Start	18	End	614
GI	none	Score	151
Exons	18..89, 153..452, 214..435, 486..614, 535..606		

Seq. No.	19328	Seq. ID	OJ990916_19.9A29.C14
Gene No.	40373	Strand	-
Start	1	End	1626
Name	OJ990916_19.9A29.C14.o1.gs	Method	GENSCAN
Start	68	End	1626
GI	none	Score	.44
Exons	68..986, 1255..1626		

Seq. No.	19328	Seq. ID	OJ990916_19.9A29.C14
Gene No.	40373	Strand	-
Start	1	End	1626
Name	OJ990916_19.9A29.C14.o1.gp	Method	AAT/GAP
Start	140	End	571
GI	5701669	Score	849
Exons	140..571		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40374	Strand	+
Start	6565	End	10102
Name	OJ990916_19.9A29.C15.o3.np	Method	AAT/NAP
Start	6565	End	9839
GI	2129703	Score	372
Exons	6565..6597, 9131..9839		
GI Descrip.	receptor kinase - Arabidopsis thaliana gi|2129704|pir||S71184		

receptor kinase - Arabidopsis thaliana gi|166692 (M80238)
receptor kinase [Arabidopsis thaliana] gi|445123|prf||1908429A
receptor kinase [Arabidopsis thaliana]

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40374	Strand	+
Start	6565	End	10102
Name	OJ990916_19.9A29.C15.o2.gs	Method	GENSCAN
Start	8463	End	10102
GI	none	Score	.9
Exons	8463..8606, 8651..8959, 9080..10102		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o1.tm	Method	TBLASTX:Maize
Start	713	End	10012
GI	none	Score	82
Exons	713..838, 713..841, 720..842, 842..940, 846..920, 1094..1207, 1104..1208, 1271..1468, 1272..1442, 1433..1507, 1434..1475, 1532..1606, 1548..1613, 5335..5466, 5341..5469, 5348..5470, 5470..5544, 5480..5539, 5485..5544, 5686..5790, 5687..5791, 5836..6051, 5839..5997, 5846..6010, 6034..6093, 6035..6073, 6037..6093, 6157..6207, 9311..9625, 9313..9636, 9314..9637, 9671..9763, 9694..9831, 9695..9790, 9824..9895, 9827..9901, 9896..10012		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o1.tc	Method	TBLASTX:Cress
Start	1106	End	9835
GI	none	Score	78
Exons	1106..1222, 1107..1217, 1265..1426, 1266..1418, 1454..1501, 1661..1792, 5677..5805, 5690..5800, 5842..5997, 5843..5995, 6040..6087, 6163..6384, 6263..6370, 9149..9256, 9190..9261, 9290..9418, 9476..9652, 9668..9835, 9682..9786		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o1.ts	Method	TBLASTX:Soybean
Start	1106	End	9796
GI	none	Score	81
Exons	1106..1234, 1113..1253, 1262..1417, 1263..1418, 1451..1510, 5689..5805, 5696..5806, 5839..5994, 5840..5995, 6037..6093, 6157..6279, 6289..6390, 6290..6385, 9128..9223, 9296..9433, 9479..9634, 9676..9795, 9677..9796		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o2.tw	Method	TBLASTX:Wheat
Start	1189	End	9651
GI	none	Score	37
Exons	1189..1215, 1189..1215, 1257..1436, 1259..1441, 1265..1441, 1451..1489, 1451..1510, 5770..5802, 5771..5803, 5834..6037,		

5836..6048, 6037..6093, 6037..6093, 9243..9317, 9376..9429, 9377..9433, 9419..9637, 9421..9438, 9460..9651, 9467..9631

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o1.tw	Method	TBLASTX:Wheat
Start	2873	End	8890
GI	none	Score	139
Exons	2873..3100, 2874..3026, 3104..3262, 3141..3260, 6868..7095, 6869..7027, 7099..7257, 7130..7255, 8493..8612, 8495..8611, 8618..8653, 8687..8890, 8690..8890		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o2.tm	Method	TBLASTX:Maize
Start	2879	End	9257
GI	none	Score	117
Exons	2879..3091, 2882..3100, 3095..3244, 3147..3245, 3238..3333, 3249..3284, 6868..7086, 6877..7095, 7090..7239, 7130..7240, 7231..7284, 7240..7296, 8466..8519, 8469..8510, 8510..8608, 8511..8609, 8511..8609, 8621..8653, 8672..8881, 8690..8881, 9101..9175, 9234..9257		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o2.ts	Method	TBLASTX:Soybean
Start	2987	End	8776
GI	none	Score	83
Exons	2987..3295, 3156..3293, 6982..7290, 7151..7288, 8463..8609, 8483..8599, 8621..8776		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o1.np	Method	AAT/NAP
Start	4233	End	6384
GI	6056374	Score	371
Exons	4233..4253, 5650..6099, 6154..6384		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	19329	Seq. ID	OJ990916_19.9A29.C15
Gene No.	40375	Strand	-
Start	4233	End	10012
Name	OJ990916_19.9A29.C15.o2.np	Method	AAT/NAP
Start	5040	End	7290
GI	6598810	Score	231
Exons	5040..5084, 5575..5667, 6863..7290		
GI Descrip.	(AF024504) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o1.gs	Method	GENSCAN

Start	641	End	2628
GI	none	Score	.55
Exons	641..1655, 1793..2628		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o1.np	Method	AAT/NAP
Start	641	End	2636
GI	4680203	Score	2218
Exons	641..2316, 2470..2636		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o1.gp	Method	AAT/GAP
Start	645	End	2636
GI	342_1.R1084	Score	3348
Exons	645..2636		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o3.tw	Method	TBLASTX:Wheat
Start	992	End	1343
GI	none	Score	98
Exons	992..1099, 1082..1333, 1090..1332, 1092..1343		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o1.ts	Method	TBLASTX:Soybean
Start	1264	End	1693
GI	none	Score	102
Exons	1264..1347, 1265..1339, 1340..1402, 1397..1693, 1451..1675		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o1.tc	Method	TBLASTX:Cress
Start	1426	End	1741
GI	none	Score	291
Exons	1426..1578, 1433..1741, 1618..1713		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o1.tw	Method	TBLASTX:Wheat
Start	1561	End	2033
GI	none	Score	75
Exons	1561..1614, 1562..1615, 1616..1720, 1627..1716, 1737..1823, 1738..1824, 1804..2028, 1824..2033, 1827..2033		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16

Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o1.tm	Method	TBLASTX:Maize
Start	1607	End	2067
GI	none	Score	108
Exons	1607..1735, 1619..1741, 1738..1863, 1744..1863, 1873..2067		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o2.ts	Method	TBLASTX:Soybean
Start	1897	End	2139
GI	none	Score	216
Exons	1897..2139		

Seq. No.	19330	Seq. ID	OJ990916_19.9A29.C16
Gene No.	40376	Strand	+
Start	641	End	2636
Name	OJ990916_19.9A29.C16.o2.tw	Method	TBLASTX:Wheat
Start	2172	End	2636
GI	none	Score	87
Exons	2172..2222, 2173..2235, 2241..2423, 2245..2463, 2491..2634, 2496..2636, 2497..2634		

Seq. No.	19331	Seq. ID	OJ990916_19.9A29.C17
Gene No.	40377	Strand	-
Start	576	End	1138
Name	OJ990916_19.9A29.C17.o1.np	Method	AAT/NAP
Start	576	End	1138
GI	6006359	Score	61
Exons	576..675, 1103..1138		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	19331	Seq. ID	OJ990916_19.9A29.C17
Gene No.	40377	Strand	-
Start	576	End	1138
Name	OJ990916_19.9A29.C17.o2.np	Method	AAT/NAP
Start	1030	End	1138
GI	4539658	Score	73
Exons	1030..1138		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	19332	Seq. ID	OJ990916_19.9A29.C19
Gene No.	40378	Strand	-
Start	544	End	738
Name	OJ990916_19.9A29.C19.o1.gs	Method	GENSCAN
Start	544	End	738
GI	none	Score	.98
Exons	544..738		

Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20
Gene No.	40379	Strand	+
Start	703	End	7016
Name	OJ990916_19.9A29.C20.o1.gs	Method	GENSCAN
Start	703	End	7016
GI	none	Score	.48

Exons	703..835, 944..1095, 2187..2353, 3393..3656, 4666..4805, 5417..5552, 5597..5742, 5868..5963, 6475..6733, 6892..7016		
Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20
Gene No.	40380	Strand	+
Start	11750	End	19565
Name	OJ990916_19.9A29.C20.o3.gs	Method	GENSCAN
Start	11750	End	19565
GI	none	Score	.49
Exons	11750..11808, 11858..11971, 12345..12727, 13191..13236, 14220..14370, 17889..18024, 19483..19565		
Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20
Gene No.	40381	Strand	+
Start	22362	End	25311
Name	OJ990916_19.9A29.C20.o2.np	Method	AAT/NAP
Start	22362	End	25311
GI	4680186	Score	189
Exons	22362..22381, 23748..23910, 24485..24626, 25283..25311		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20
Gene No.	40382	Strand	-
Start	8911	End	11218
Name	OJ990916_19.9A29.C20.o2.gs	Method	GENSCAN
Start	8911	End	11173
GI	none	Score	.91
Exons	8911..9035, 10250..10364, 10603..10665, 10721..11173		
Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20
Gene No.	40382	Strand	-
Start	8911	End	11218
Name	OJ990916_19.9A29.C20.o1.gp	Method	AAT/GAP
Start	9837	End	10371
GI	3759045	Score	1006
Exons	9837..10371		
Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20
Gene No.	40382	Strand	-
Start	8911	End	11218
Name	OJ990916_19.9A29.C20.o2.gp	Method	AAT/GAP
Start	10759	End	11218
GI	58496_1.R1084	Score	886
Exons	10759..11218		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oxyza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20
Gene No.	40383	Strand	-
Start	21367	End	25672
Name	OJ990916_19.9A29.C20.o4.gs	Method	GENSCAN
Start	21367	End	25352
GI	none	Score	.63
Exons	21367..21902, 22830..23124, 23292..23497, 23511..23698, 23726..23820, 24165..24287, 24948..25182, 25253..25352		
Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20

Gene No.	40383	Strand	-
Start	21367	End	25672
Name	OJ990916_19.9A29.C20.o1.np	Method	AAT/NAP
Start	21825	End	25672
GI	2586082	Score	107
Exons	21825..21958, 22487..22619, 25572..25672		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	19333	Seq. ID	OJ990916_19.9A29.C20
Gene No.	40383	Strand	-
Start	21367	End	25672
Name	OJ990916_19.9A29.C20.o3.gp	Method	AAT/GAP
Start	24044	End	24469
GI	4878407	Score	663
Exons	24044..24469		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40384	Strand	+
Start	5253	End	9371
Name	OJ990916_19.9A29.C21.o2.gs	Method	GENSCAN
Start	5253	End	6014
GI	none	Score	.57
Exons	5253..6014		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40384	Strand	+
Start	5253	End	9371
Name	OJ990916_19.9A29.C21.o1.np	Method	AAT/NAP
Start	5274	End	9371
GI	4234852	Score	4154
Exons	5274..5413, 5456..9371		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40384	Strand	+
Start	5253	End	9371
Name	OJ990916_19.9A29.C21.o3.gs	Method	GENSCAN
Start	7899	End	9284
GI	none	Score	.51
Exons	7899..8770, 8915..9104, 9141..9284		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40385	Strand	-
Start	762	End	4613
Name	OJ990916_19.9A29.C21.o1.gs	Method	GENSCAN
Start	762	End	4613
GI	none	Score	.68
Exons	762..851, 1092..1172, 1258..1405, 2298..2455, 2460..2906, 2912..3349, 3461..3634, 3658..3973, 4056..4326, 4481..4613		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40385	Strand	-
Start	762	End	4613
Name	OJ990916_19.9A29.C21.o3.ts	Method	TBLASTX:Soybean
Start	2305	End	3007

GI	none	Score	80
Exons	2305..2421, 2541..2678, 2756..2821, 2813..2899, 2948..3007		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40385	Strand	-
Start	762	End	4613
Name	OJ990916_19.9A29.C21.o2.tc	Method	TBLASTX:Cress
Start	2547	End	3307
GI	none	Score	76
Exons	2547..2678, 2566..2679, 2774..2833, 2945..3004, 3065..3133, 3209..3307		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40385	Strand	-
Start	762	End	4613
Name	OJ990916_19.9A29.C21.o4.tm	Method	TBLASTX:Maize
Start	2574	End	3331
GI	none	Score	79
Exons	2574..2711, 2587..2679, 2765..2821, 2945..3004, 3065..3151, 3065..3151, 3209..3331, 3223..3294		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40385	Strand	-
Start	762	End	4613
Name	OJ990916_19.9A29.C21.o4.tw	Method	TBLASTX:Wheat
Start	3530	End	3892
GI	none	Score	49
Exons	3530..3595, 3597..3641, 3598..3672, 3670..3726, 3670..3726, 3758..3826, 3763..3825, 3824..3892, 3826..3891		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40386	Strand	
Start	5366	End	6306
Name	OJ990916_19.9A29.C21.o1.tm	Method	TBLASTX:Maize
Start	5366	End	6306
GI	none	Score	543
Exons	5366..5935, 5367..5936, 5641..5943, 6030..6119, 6059..6100, 6223..6306		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40387	Strand	
Start	6594	End	7419
Name	OJ990916_19.9A29.C21.o2.ts	Method	TBLASTX:Soybean
Start	6594	End	6980
GI	none	Score	318
Exons	6594..6980, 6605..6811		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40387	Strand	
Start	6594	End	7419
Name	OJ990916_19.9A29.C21.o2.tw	Method	TBLASTX:Wheat
Start	6756	End	7416
GI	none	Score	237
Exons	6756..6989, 6770..6988, 7034..7108, 7057..7107, 7108..7326, 7110..7337, 7318..7416		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21

Gene No.	40387	Strand	
Start	6594	End	7419
Name	OJ990916_19.9A29.C21.o5.tm	Method	TBLASTX:Maize
Start	7034	End	7410
GI	none	Score	71
Exons	7034..7114, 7111..7236, 7249..7326, 7339..7410		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40387	Strand	
Start	6594	End	7419
Name	OJ990916_19.9A29.C21.o5.ts	Method	TBLASTX:Soybean
Start	7034	End	7419
GI	none	Score	55
Exons	7034..7108, 7108..7242, 7246..7419		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40388	Strand	
Start	7896	End	9350
Name	OJ990916_19.9A29.C21.o1.ts	Method	TBLASTX:Soybean
Start	7896	End	8324
GI	5509260	Score	326
Exons	7896..8324, 7976..8245, 8291..8323		
GI Descrip.	-		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40388	Strand	
Start	7896	End	9350
Name	OJ990916_19.9A29.C21.o1.tc	Method	TBLASTX:Cress
Start	7974	End	8234
GI	none	Score	220
Exons	7974..8234, 7976..8212		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40388	Strand	
Start	7896	End	9350
Name	OJ990916_19.9A29.C21.o1.tw	Method	TBLASTX:Wheat
Start	8015	End	8795
GI	none	Score	334
Exons	8015..8359, 8016..8360, 8043..8360, 8345..8791, 8346..8795		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40388	Strand	
Start	7896	End	9350
Name	OJ990916_19.9A29.C21.o3.tm	Method	TBLASTX:Maize
Start	8016	End	8459
GI	none	Score	253
Exons	8016..8324, 8033..8323, 8358..8459		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40388	Strand	
Start	7896	End	9350
Name	OJ990916_19.9A29.C21.o2.tm	Method	TBLASTX:Maize
Start	8460	End	8891
GI	none	Score	81
Exons	8460..8621, 8595..8891, 8735..8890		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21

Gene No.	40388	Strand	
Start	7896	End	9350
Name	OJ990916_19.9A29.C21.o4.ts	Method	TBLASTX:Soybean
Start	8781	End	9347
GI	none	Score	113
Exons	8781..8963, 8976..9167, 9156..9347		

Seq. No.	19334	Seq. ID	OJ990916_19.9A29.C21
Gene No.	40388	Strand	
Start	7896	End	9350
Name	OJ990916_19.9A29.C21.o3.tw	Method	TBLASTX:Wheat
Start	8944	End	9350
GI	none	Score	58
Exons	8944..9138, 8951..9184, 8955..9350, 9232..9279		

Seq. No.	19335	Seq. ID	OJ990916_19.9A29.C22
Gene No.	40389	Strand	-
Start	63	End	287
Name	OJ990916_19.9A29.C22.o1.gs	Method	GENSCAN
Start	63	End	287
GI	none	Score	.43
Exons	63..287		

Seq. No.	19336	Seq. ID	OJ990916_19.9A29.C23
Gene No.	40390	Strand	+
Start	1	End	1784
Name	OJ990916_19.9A29.C23.o1.gp	Method	AAT/GAP
Start	1	End	1622
GI	342_1.R1084	Score	2214
Exons	1..251, 283..940, 976..995, 1078..1184, 1278..1622		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19336	Seq. ID	OJ990916_19.9A29.C23
Gene No.	40390	Strand	+
Start	1	End	1784
Name	OJ990916_19.9A29.C23.o3.gp	Method	AAT/GAP
Start	1	End	1784
GI	342_1.R1084	Score	2503
Exons	1..251, 283..940, 976..995, 1078..1184, 1278..1784		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19336	Seq. ID	OJ990916_19.9A29.C23
Gene No.	40390	Strand	+
Start	1	End	1784
Name	OJ990916_19.9A29.C23.o1.np	Method	AAT/NAP
Start	1	End	847
GI	4680203	Score	627
Exons	1..847		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19336	Seq. ID	OJ990916_19.9A29.C23
Gene No.	40390	Strand	+
Start	1	End	1784
Name	OJ990916_19.9A29.C23.o1.tw	Method	TBLASTX:Wheat
Start	8	End	793

GI	none	Score	181
Exons	8..235, 41..235, 183..245, 297..362, 304..363, 304..363, 391..429, 405..434, 437..499, 441..500, 508..618, 509..619, 632..712, 701..793, 727..792		

Seq. No.	19336	Seq. ID	OJ990916_19.9A29.C23
Gene No.	40390	Strand	+
Start	1	End	1784
Name	OJ990916_19.9A29.C23.o1.gs	Method	GENSCAN
Start	509	End	868
GI	none	Score	.83
Exons	509..868		

Seq. No.	19337	Seq. ID	OJ990916_19.9A29.C24
Gene No.	40391	Strand	+
Start	175	End	1356
Name	OJ990916_19.9A29.C24.o1.gs	Method	GENSCAN
Start	175	End	1356
GI	none	Score	.78
Exons	175..248, 1114..1356		

Seq. No.	19338	Seq. ID	OJ990706_05.9A20.C2
Gene No.	40392	Strand	-
Start	1	End	948
Name	OJ990706_05.9A20.C2.o1.np	Method	AAT/NAP
Start	1	End	948
GI	4826399	Score	180
Exons	1..948		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	19339	Seq. ID	OJ990706_05.9A20.C3
Gene No.	40393	Strand	+
Start	562	End	971
Name	OJ990706_05.9A20.C3.o1.gp	Method	AAT/GAP
Start	562	End	971
GI	LIB3432-012-P1-K1-G7	Score	740
Exons	562..971		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-38 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19339	Seq. ID	OJ990706_05.9A20.C3
Gene No.	40394	Strand	+
Start	1303	End	2939
Name	OJ990706_05.9A20.C3.o1.gs	Method	GENSCAN
Start	1303	End	2042
GI	none	Score	.97
Exons	1303..1326, 1632..2042		

Seq. No.	19339	Seq. ID	OJ990706_05.9A20.C3
Gene No.	40394	Strand	+
Start	1303	End	2939
Name	OJ990706_05.9A20.C3.o1.np	Method	AAT/NAP
Start	1635	End	2939
GI	6688926	Score	160
Exons	1635..2033, 2861..2939		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	19339	Seq. ID	OJ990706_05.9A20.C3
Gene No.	40394	Strand	+
Start	1303	End	2939
Name	OJ990706_05.9A20.C3.o2.gs	Method	GENSCAN
Start	2638	End	2930
GI	none	Score	.8
Exons	2638..2930		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40395	Strand	+
Start	174	End	7313
Name	OJ990706_05.9A20.C5.o1.np	Method	AAT/NAP
Start	174	End	3649
GI	5803260	Score	845
Exons	174..1111, 1832..1936, 2505..3649		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40395	Strand	+
Start	174	End	7313
Name	OJ990706_05.9A20.C5.o2.np	Method	AAT/NAP
Start	2772	End	7313
GI	4539658	Score	196
Exons	2772..2824, 4200..4336, 4421..4568, 7282..7313		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40395	Strand	+
Start	174	End	7313
Name	OJ990706_05.9A20.C5.o3.np	Method	AAT/NAP
Start	3466	End	4577
GI	4539658	Score	202
Exons	3466..3512, 4202..4336, 4421..4577		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40395	Strand	+
Start	174	End	7313
Name	OJ990706_05.9A20.C5.o4.np	Method	AAT/NAP
Start	5341	End	6173
GI	5734709	Score	119
Exons	5341..5497, 5583..6173		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40396	Strand	-
Start	6681	End	9912
Name	OJ990706_05.9A20.C5.o1.tc	Method	TBLASTX:Cress
Start	693	End	3292
GI	none	Score	77
Exons	693..827, 1015..1104, 2582..2617, 2633..2764, 2758..2913, 2762..2932, 2972..3037, 3034..3132, 3047..3136, 3140..3292, 3218..3292		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40396	Strand	-
Start	6681	End	9912
Name	OJ990706_05.9A20.C5.o1.tm	Method	TBLASTX:Maize
Start	2552	End	3499
GI	none	Score	56
Exons	2552..2641, 2572..2613, 2633..2788, 2677..2835, 2755..2916, 2762..2956, 2971..3039, 2975..3037, 3046..3132, 3047..3136, 3155..3283, 3155..3271, 3284..3499		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40396	Strand	-
Start	6681	End	9912
Name	OJ990706_05.9A20.C5.o2.tw	Method	TBLASTX:Wheat
Start	2639	End	2953
GI	none	Score	82
Exons	2639..2788, 2677..2826, 2762..2953		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40396	Strand	-
Start	6681	End	9912
Name	OJ990706_05.9A20.C5.o1.ts	Method	TBLASTX:Soybean
Start	2651	End	3283
GI	none	Score	82
Exons	2651..2749, 2677..2739, 2801..2944, 2803..2913, 2972..3037, 2974..3018, 3044..3130, 3061..3138, 3158..3283, 3214..3276		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40396	Strand	-
Start	6681	End	9912
Name	OJ990706_05.9A20.C5.o1.tw	Method	TBLASTX:Wheat
Start	2987	End	3283
GI	none	Score	41
Exons	2987..3049, 3046..3129, 3047..3136, 3155..3283, 3214..3282		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40396	Strand	-
Start	6681	End	9912
Name	OJ990706_05.9A20.C5.o2.tm	Method	TBLASTX:Maize
Start	4127	End	4946
GI	none	Score	114
Exons	4127..4228, 4130..4234, 4132..4233, 4206..4343, 4219..4344, 4222..4347, 4232..4348, 4621..4743, 4621..4743, 4623..4745, 4631..4750, 4635..4751, 4743..4778, 4767..4832, 4767..4826, 4775..4831, 4804..4941, 4817..4921, 4825..4929, 4830..4946		

Seq. No.	19340	Seq. ID	OJ990706_05.9A20.C5
Gene No.	40396	Strand	-
Start	6681	End	9912
Name	OJ990706_05.9A20.C5.o2.gs	Method	GENSCAN
Start	6681	End	9912
GI	none	Score	.51
Exons	6681..6727, 7177..7222, 7236..7303, 9846..9912		

Seq. No.	19341	Seq. ID	OJ990706_05.9A20.C6
Gene No.	40397	Strand	+
Start	666	End	2815

Name	OJ990706_05.9A20.C6.o1.np	Method	AAT/NAP
Start	666	End	2815
GI	6721547	Score	101
Exons	666..750, 2733..2815		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	19342	Seq. ID	OJ990706_05.9A20.C7
Gene No.	40398	Strand	+
Start	584	End	704
Name	OJ990706_05.9A20.C7.o1.gs	Method	GENSCAN
Start	584	End	704
GI	none	Score	.91
Exons	584..704		

Seq. No.	19342	Seq. ID	OJ990706_05.9A20.C7
Gene No.	40399	Strand	+
Start	3171	End	4004
Name	OJ990706_05.9A20.C7.o1.tm	Method	TBLASTX:Maize
Start	126	End	803
GI	none	Score	44
Exons	126..197, 130..201, 241..378, 247..384, 247..384, 250..378, 288..383, 289..360, 294..392, 299..388, 396..509, 407..511, 409..510, 410..511, 411..509, 417..509, 419..502, 486..605, 532..591, 533..610, 538..564, 551..790, 553..609, 576..749, 588..794, 595..651, 597..752, 597..770, 618..746, 619..747, 624..749, 628..708, 639..803		

Seq. No.	19342	Seq. ID	OJ990706_05.9A20.C7
Gene No.	40399	Strand	+
Start	3171	End	4004
Name	OJ990706_05.9A20.C7.o1.np	Method	AAT/NAP
Start	3171	End	4004
GI	6721547	Score	77
Exons	3171..3255, 3984..4004		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	19343	Seq. ID	OJ990706_05.9A20.C8
Gene No.	40400	Strand	+
Start	500	End	620
Name	OJ990706_05.9A20.C8.o1.gs	Method	GENSCAN
Start	500	End	620
GI	none	Score	.88
Exons	500..620		

Seq. No.	19344	Seq. ID	OJ990706_05.9A20.C11
Gene No.	40401	Strand	-
Start	1221	End	5597
Name	OJ990706_05.9A20.C11.o1.gs	Method	GENSCAN
Start	1221	End	5597
GI	none	Score	.86
Exons	1221..1496, 1738..1924, 2701..2789, 3040..3309, 3971..4168, 4274..4546, 4691..4903, 5559..5597		

Seq. No.	19344	Seq. ID	OJ990706_05.9A20.C11
Gene No.	40401	Strand	-
Start	1221	End	5597
Name	OJ990706_05.9A20.C11.o1.tm	Method	TBLASTX:Maize

Start	1227	End	4873
GI	none	Score	110
Exons	1227..1316, 1747..1869, 1751..1873, 1894..1926, 1898..1927, 3070..3234, 3983..4159, 3984..4163, 4310..4459, 4310..4471, 4317..4472, 4323..4472, 4718..4873, 4770..4850		

Seq. No.	19344	Seq. ID	OJ990706_05.9A20.C11
Gene No.	40401	Strand	-
Start	1221	End	5597
Name	OJ990706_05.9A20.C11.o1.np	Method	AAT/NAP
Start	4304	End	4893
GI	1167955	Score	368
Exons	4304..4546, 4703..4893		
GI Descrip.	(U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	19344	Seq. ID	OJ990706_05.9A20.C11
Gene No.	40401	Strand	-
Start	1221	End	5597
Name	OJ990706_05.9A20.C11.o2.np	Method	AAT/NAP
Start	4304	End	4893
GI	1167953	Score	372
Exons	4304..4546, 4703..4893		
GI Descrip.	(U43496) putative 32.6 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465426 (AF021256) 32 kDa protein [Hordeum vulgare]		

Seq. No.	19344	Seq. ID	OJ990706_05.9A20.C11
Gene No.	40401	Strand	-
Start	1221	End	5597
Name	OJ990706_05.9A20.C11.o1.gp	Method	AAT/GAP
Start	4335	End	4923
GI	2427628	Score	785
Exons	4335..4546, 4691..4923		
GI Descrip.	1167953 2.0e-26 (U43496) putative 32.6 kDa jasmonate-induced protein [Hordeum vulgare] >gi_2465426 (AF021256) 32 kDa protein [Hordeum vulgare]		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40402	Strand	+
Start	1668	End	2297
Name	OJ990706_05.9A20.C12.o1.gs	Method	GENSCAN
Start	1668	End	2297
GI	none	Score	.46
Exons	1668..1811, 2058..2297		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40403	Strand	+
Start	8731	End	11250
Name	OJ990706_05.9A20.C12.o3.gs	Method	GENSCAN
Start	8731	End	11250
GI	none	Score	.74
Exons	8731..8788, 11021..11250		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40404	Strand	-
Start	1	End	224
Name	OJ990706_05.9A20.C12.o1.gp	Method	AAT/GAP

Start	1	End	224
GI	LIB3432-059-P1-K1-D8	Score	398
Exons	1..224		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40405	Strand	-
Start	3037	End	9016
Name	OJ990706_05.9A20.C12.o2.gs	Method	GENSCAN
Start	3037	End	6014
GI	none	Score	.75
Exons	3037..3243, 4526..4639, 4942..5095, 5196..5424, 5526..5784, 5916..6014		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40405	Strand	-
Start	3037	End	9016
Name	OJ990706_05.9A20.C12.o1.tm	Method	TBLASTX:Maize
Start	3088	End	5987
GI	none	Score	47
Exons	3088..3243, 5000..5086, 5198..5410, 5202..5321, 5515..5580, 5620..5784, 5919..5987		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40405	Strand	-
Start	3037	End	9016
Name	OJ990706_05.9A20.C12.o1.np	Method	AAT/NAP
Start	4962	End	9016
GI	4008008	Score	268
Exons	4962..5123, 5221..5426, 5522..5576, 5625..5784, 5916..5983, 8995..9016		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40405	Strand	-
Start	3037	End	9016
Name	OJ990706_05.9A20.C12.o1.tc	Method	TBLASTX:Cress
Start	4993	End	5861
GI	none	Score	39
Exons	4993..5091, 5198..5422, 5524..5577, 5647..5781, 5817..5861		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40405	Strand	-
Start	3037	End	9016
Name	OJ990706_05.9A20.C12.o1.tw	Method	TBLASTX:Wheat
Start	4993	End	5796
GI	none	Score	53
Exons	4993..5091, 5000..5089, 5193..5333, 5225..5332, 5348..5431, 5371..5406, 5530..5721, 5531..5566, 5620..5712, 5738..5788, 5743..5796		

Seq. No.	19345	Seq. ID	OJ990706_05.9A20.C12
Gene No.	40405	Strand	-
Start	3037	End	9016
Name	OJ990706_05.9A20.C12.o1.ts	Method	TBLASTX:Soybean
Start	4999	End	5733

GI	none	Score	84
Exons	4999..5091, 5198..5410, 5515..5583, 5620..5733		

Seq. No.	19346	Seq. ID	OJ990706_05.9A20.C13
Gene No.	40406	Strand	+
Start	2037	End	2802
Name	OJ990706_05.9A20.C13.o1.gs	Method	GENSCAN
Start	2037	End	2802
GI	none	Score	.71
Exons	2037..2120, 2665..2802		

Seq. No.	19346	Seq. ID	OJ990706_05.9A20.C13
Gene No.	40407	Strand	+
Start	3761	End	5122
Name	OJ990706_05.9A20.C13.o2.gs	Method	GENSCAN
Start	3761	End	4195
GI	none	Score	.83
Exons	3761..3941, 4119..4195		

Seq. No.	19346	Seq. ID	OJ990706_05.9A20.C13
Gene No.	40407	Strand	+
Start	3761	End	5122
Name	OJ990706_05.9A20.C13.o1.gp	Method	AAT/GAP
Start	4061	End	5122
GI	LIB3432-022-P1-K1-E11	Score	583
Exons	4061..4128, 4746..4901, 5024..5122		
GI Descrip.	'3953479 8.0e-09 (AC002328) F22O2.24 [Arabidopsis thaliana]'		

Seq. No.	19347	Seq. ID	OJ990706_05.9A20.C14
Gene No.	40408	Strand	+
Start	1	End	547
Name	OJ990706_05.9A20.C14.o1.np	Method	AAT/NAP
Start	1	End	547
GI	6453905	Score	187
Exons	1..131, 208..358, 429..547		
GI Descrip.	(AC011663) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	19347	Seq. ID	OJ990706_05.9A20.C14
Gene No.	40408	Strand	+
Start	1	End	547
Name	OJ990706_05.9A20.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	354
GI	none	Score	111
Exons	1..84, 3..80, 12..89, 208..303, 209..304, 328..354		

Seq. No.	19347	Seq. ID	OJ990706_05.9A20.C14
Gene No.	40408	Strand	+
Start	1	End	547
Name	OJ990706_05.9A20.C14.o1.ts	Method	TBLASTX:Soybean
Start	1	End	355
GI	none	Score	107
Exons	1..84, 6..74, 206..355		

Seq. No.	19347	Seq. ID	OJ990706_05.9A20.C14
Gene No.	40408	Strand	+
Start	1	End	547
Name	OJ990706_05.9A20.C14.o1.gs	Method	GENSCAN

Start	49	End	538
GI	none	Score	.8
Exons	49..131, 208..358, 440..538		

Seq. No.	19348	Seq. ID	OJ990706_05.9A20.C15
Gene No.	40409	Strand	-
Start	1	End	220
Name	OJ990706_05.9A20.C15.o1.np	Method	AAT/NAP
Start	1	End	220
GI	5803260	Score	122
Exons	1..220		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	19348	Seq. ID	OJ990706_05.9A20.C15
Gene No.	40409	Strand	-
Start	1	End	220
Name	OJ990706_05.9A20.C15.o1.gs	Method	GENSCAN
Start	17	End	203
GI	none	Score	.98
Exons	17..203		

Seq. No.	19349	Seq. ID	OJ990706_05.9A20.C16
Gene No.	40410	Strand	+
Start	67	End	1688
Name	OJ990706_05.9A20.C16.o1.np	Method	AAT/NAP
Start	67	End	1688
GI	22490	Score	158
Exons	67..114, 1403..1688		
GI Descrip.	(X01380) ORF1 [Zea mays]		

Seq. No.	19349	Seq. ID	OJ990706_05.9A20.C16
Gene No.	40410	Strand	+
Start	67	End	1688
Name	OJ990706_05.9A20.C16.o1.tm	Method	TBLASTX:Maize
Start	1392	End	1662
GI	none	Score	133
Exons	1392..1538, 1463..1531, 1534..1662, 1538..1639		

Seq. No.	19350	Seq. ID	OJ990706_05.9A20.C17
Gene No.	40411	Strand	+
Start	1	End	130
Name	OJ990706_05.9A20.C17.o1.np	Method	AAT/NAP
Start	1	End	130
GI	2462640	Score	137
Exons	1..130		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	19350	Seq. ID	OJ990706_05.9A20.C17
Gene No.	40412	Strand	+
Start	783	End	1297
Name	OJ990706_05.9A20.C17.o1.gs	Method	GENSCAN
Start	783	End	1297
GI	none	Score	.97
Exons	783..906, 1071..1297		

Seq. No.	19351	Seq. ID	OJ990706_05.9A20.C18
Gene No.	40413	Strand	-

Start	1	End	1162
Name	OJ990706_05.9A20.C18.o1.np	Method	AAT/NAP
Start	1	End	1162
GI	6665543	Score	372
Exons	1..667, 1136..1162		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	19351	Seq. ID	OJ990706_05.9A20.C18
Gene No.	40413	Strand	-
Start	1	End	1162
Name	OJ990706_05.9A20.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	660
GI	none	Score	40
Exons	1..51, 76..165, 182..241, 256..462, 353..535, 463..561, 574..660, 611..640		

Seq. No.	19351	Seq. ID	OJ990706_05.9A20.C18
Gene No.	40413	Strand	-
Start	1	End	1162
Name	OJ990706_05.9A20.C18.o1.ts	Method	TBLASTX:Soybean
Start	13	End	558
GI	none	Score	59
Exons	13..48, 67..162, 214..462, 284..469, 448..558		

Seq. No.	19351	Seq. ID	OJ990706_05.9A20.C18
Gene No.	40413	Strand	-
Start	1	End	1162
Name	OJ990706_05.9A20.C18.o1.tc	Method	TBLASTX:Cress
Start	19	End	636
GI	none	Score	61
Exons	19..72, 76..165, 280..462, 299..451, 463..576, 577..636		

Seq. No.	19351	Seq. ID	OJ990706_05.9A20.C18
Gene No.	40413	Strand	-
Start	1	End	1162
Name	OJ990706_05.9A20.C18.o1.gs	Method	GENSCAN
Start	38	End	707
GI	none	Score	.49
Exons	38..707		

Seq. No.	19352	Seq. ID	OJ990706_05.9A20.C19
Gene No.	40414	Strand	+
Start	51	End	229
Name	OJ990706_05.9A20.C19.o1.gs	Method	GENSCAN
Start	51	End	229
GI	none	Score	.95
Exons	51..229		

Seq. No.	19353	Seq. ID	OJ990706_05.9A20.C23
Gene No.	40415	Strand	-
Start	96	End	2096
Name	OJ990706_05.9A20.C23.o1.gs	Method	GENSCAN
Start	96	End	1608
GI	none	Score	.59
Exons	96..297, 565..646, 1041..1254, 1366..1608		

Seq. No.	19353	Seq. ID	OJ990706_05.9A20.C23

Gene No.	40415	Strand	-
Start	96	End	2096
Name	OJ990706_05.9A20.C23.o1.np	Method	AAT/NAP
Start	1227	End	2096
GI	4680203	Score	453
Exons	1227..1907, 2045..2096		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19353	Seq. ID	OJ990706_05.9A20.C23
Gene No.	40415	Strand	-
Start	96	End	2096
Name	OJ990706_05.9A20.C23.o1.tw	Method	TBLASTX:Wheat
Start	1250	End	1542
GI	none	Score	134
Exons	1250..1273, 1270..1452, 1277..1444, 1435..1542		

Seq. No.	19353	Seq. ID	OJ990706_05.9A20.C23
Gene No.	40415	Strand	-
Start	96	End	2096
Name	OJ990706_05.9A20.C23.o2.np	Method	AAT/NAP
Start	1564	End	2096
GI	5852182	Score	303
Exons	1564..1891, 2008..2096		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	19354	Seq. ID	OJ990706_05.9A20.C24
Gene No.	40416	Strand	+
Start	606	End	1280
Name	OJ990706_05.9A20.C24.o1.gs	Method	GENSCAN
Start	606	End	1280
GI	none	Score	.79
Exons	606..687, 1150..1280		

Seq. No.	19354	Seq. ID	OJ990706_05.9A20.C24
Gene No.	40417	Strand	-
Start	419	End	1592
Name	OJ990706_05.9A20.C24.o1.np	Method	AAT/NAP
Start	419	End	1592
GI	6063554	Score	129
Exons	419..594, 1526..1592		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19355	Seq. ID	OJ990706_05.9A20.C29
Gene No.	40418	Strand	+
Start	268	End	885
Name	OJ990706_05.9A20.C29.o1.gs	Method	GENSCAN
Start	268	End	885
GI	none	Score	.96
Exons	268..347, 441..534, 671..885		

Seq. No.	19355	Seq. ID	OJ990706_05.9A20.C29
Gene No.	40419	Strand	-
Start	1	End	914
Name	OJ990706_05.9A20.C29.o1.np	Method	AAT/NAP
Start	1	End	914

GI	6815109	Score	176
Exons	1..914		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19356	Seq. ID	OJ990706_05.9A20.C30
Gene No.	40420	Strand	+
Start	64	End	720
Name	OJ990706_05.9A20.C30.o1.gs	Method	GENSCAN
Start	64	End	704
GI	none	Score	.76
Exons	64..269, 402..704		

Seq. No.	19356	Seq. ID	OJ990706_05.9A20.C30
Gene No.	40420	Strand	+
Start	64	End	720
Name	OJ990706_05.9A20.C30.o1.np	Method	AAT/NAP
Start	534	End	720
GI	5441880	Score	195
Exons	534..720		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19357	Seq. ID	OJ990706_05.9A20.C31
Gene No.	40421	Strand	+
Start	1	End	679
Name	OJ990706_05.9A20.C31.o1.np	Method	AAT/NAP
Start	1	End	679
GI	5441880	Score	161
Exons	1..123, 567..679		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19357	Seq. ID	OJ990706_05.9A20.C31
Gene No.	40421	Strand	+
Start	1	End	679
Name	OJ990706_05.9A20.C31.o1.tw	Method	TBLASTX:Wheat
Start	3	End	349
GI	none	Score	157
Exons	3..143, 5..127, 177..218, 218..349, 228..338		

Seq. No.	19358	Seq. ID	OJ990706_05.9A20.C32
Gene No.	40422	Strand	+
Start	1	End	2235
Name	OJ990706_05.9A20.C32.o1.np	Method	AAT/NAP
Start	1	End	2235
GI	5441880	Score	761
Exons	1..467, 1078..1219, 1330..1663, 2175..2235		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19358	Seq. ID	OJ990706_05.9A20.C32
Gene No.	40422	Strand	+
Start	1	End	2235
Name	OJ990706_05.9A20.C32.o1.gs	Method	GENSCAN

Start	3	End	2163
GI	none	Score	.82
Exons	3..63, 235..461, 1109..1182, 1297..1451, 1475..1644, 1749..1907, 2044..2163		

Seq. No.	19359	Seq. ID	OJ990706_05.9A20.C33
Gene No.	40423	Strand	+
Start	1	End	985
Name	OJ990706_05.9A20.C33.o1.np	Method	AAT/NAP
Start	1	End	985
GI	5441880	Score	182
Exons	1..26, 131..388, 953..985		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	19359	Seq. ID	OJ990706_05.9A20.C33
Gene No.	40423	Strand	+
Start	1	End	985
Name	OJ990706_05.9A20.C33.o1.gs	Method	GENSCAN
Start	131	End	961
GI	none	Score	.58
Exons	131..303, 486..593, 640..741, 857..961		

Seq. No.	19359	Seq. ID	OJ990706_05.9A20.C33
Gene No.	40423	Strand	+
Start	1	End	985
Name	OJ990706_05.9A20.C33.o1.gp	Method	AAT/GAP
Start	641	End	985
GI	LIB3433-020-P1-K1-A6	Score	553
Exons	641..985		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	19360	Seq. ID	OJ990706_05.9A20.C34
Gene No.	40424	Strand	+
Start	1	End	714
Name	OJ990706_05.9A20.C34.o1.np	Method	AAT/NAP
Start	1	End	714
GI	1086147	Score	127
Exons	1..24, 574..714		
GI Descrip.	protein S2 - Phalaris coerulescens		

Seq. No.	19360	Seq. ID	OJ990706_05.9A20.C34
Gene No.	40424	Strand	+
Start	1	End	714
Name	OJ990706_05.9A20.C34.o1.tm	Method	TBLASTX:Maize
Start	573	End	684
GI	none	Score	189
Exons	573..680, 574..684		

Seq. No.	19360	Seq. ID	OJ990706_05.9A20.C34
Gene No.	40424	Strand	+
Start	1	End	714
Name	OJ990706_05.9A20.C34.o1.gp	Method	AAT/GAP
Start	574	End	704
GI	54795_1.R1084	Score	175

Exons	574..704		
GI Descrip.	'1085952/pir||S49352 3.0e-30 hypothetical protein S1 - Phalaris coerulescens'		
Seq. No.	19360	Seq. ID	OJ990706_05.9A20.C34
Gene No.	40424	Strand	+
Start	1	End	714
Name	OJ990706_05.9A20.C34.o1.gs	Method	GENSCAN
Start	574	End	696
GI	none	Score	.59
Exons	574..696		
Seq. No.	19361	Seq. ID	OJ990706_05.9A20.C35
Gene No.	40425	Strand	-
Start	1	End	625
Name	OJ990706_05.9A20.C35.o1.np	Method	AAT/NAP
Start	1	End	571
GI	6587820	Score	77
Exons	1..79, 346..571		
GI Descrip.	(AC010924) Contains similarity to gb|AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF|00069 domain.		
Seq. No.	19361	Seq. ID	OJ990706_05.9A20.C35
Gene No.	40425	Strand	-
Start	1	End	625
Name	OJ990706_05.9A20.C35.o1.gs	Method	GENSCAN
Start	48	End	625
GI	none	Score	.49
Exons	48..625		
Seq. No.	19361	Seq. ID	OJ990706_05.9A20.C35
Gene No.	40426	Strand	-
Start	1208	End	3755
Name	OJ990706_05.9A20.C35.o2.gs	Method	GENSCAN
Start	1208	End	3755
GI	none	Score	.73
Exons	1208..1225, 1586..1664, 2140..2193, 3715..3755		
Seq. No.	19362	Seq. ID	OJ990706_05.9A20.C36
Gene No.	40427	Strand	+
Start	461	End	1194
Name	OJ990706_05.9A20.C36.o1.gs	Method	GENSCAN
Start	461	End	1194
GI	none	Score	.62
Exons	461..697, 1169..1194		
Seq. No.	19362	Seq. ID	OJ990706_05.9A20.C36
Gene No.	40428	Strand	+
Start	8876	End	9989
Name	OJ990706_05.9A20.C36.o3.gs	Method	GENSCAN
Start	8876	End	9989
GI	none	Score	.56
Exons	8876..9232, 9343..9376, 9664..9717, 9728..9848, 9974..9989		
Seq. No.	19362	Seq. ID	OJ990706_05.9A20.C36
Gene No.	40429	Strand	-

Start	1971	End	5199
Name	OJ990706_05.9A20.C36.o2.gs	Method	GENSCAN
Start	1971	End	5199
GI	none	Score	.79
Exons	1971..3121, 3250..3417, 3717..4568, 5139..5199		

Seq. No.	19362	Seq. ID	OJ990706_05.9A20.C36
Gene No.	40430	Strand	-
Start	10952	End	11264
Name	OJ990706_05.9A20.C36.o1.tm	Method	TBLASTX:Maize
Start	2124	End	2945
GI	none	Score	59
Exons	2124..2267, 2142..2312, 2313..2435, 2320..2433, 2460..2534, 2464..2550, 2640..2834, 2680..2739, 2787..2945, 2833..2919		

Seq. No.	19362	Seq. ID	OJ990706_05.9A20.C36
Gene No.	40430	Strand	-
Start	10952	End	11264
Name	OJ990706_05.9A20.C36.o1.tw	Method	TBLASTX:Wheat
Start	2302	End	2699
GI	none	Score	94
Exons	2302..2442, 2313..2453, 2460..2534, 2467..2550, 2652..2699		

Seq. No.	19362	Seq. ID	OJ990706_05.9A20.C36
Gene No.	40430	Strand	-
Start	10952	End	11264
Name	OJ990706_05.9A20.C36.o1.tc	Method	TBLASTX:Cress
Start	2304	End	2903
GI	none	Score	147
Exons	2304..2441, 2466..2534, 2652..2903		

Seq. No.	19362	Seq. ID	OJ990706_05.9A20.C36
Gene No.	40430	Strand	-
Start	10952	End	11264
Name	OJ990706_05.9A20.C36.o1.ts	Method	TBLASTX:Soybean
Start	2313	End	3053
GI	none	Score	77
Exons	2313..2435, 2314..2433, 2458..2535, 2466..2534, 2652..2789, 2683..2787, 2820..2945, 2857..2919, 2985..3053		

Seq. No.	19362	Seq. ID	OJ990706_05.9A20.C36
Gene No.	40430	Strand	-
Start	10952	End	11264
Name	OJ990706_05.9A20.C36.o4.gs	Method	GENSCAN
Start	10952	End	11264
GI	none	Score	.89
Exons	10952..10989, 11177..11264		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40431	Strand	+
Start	2795	End	3157
Name	OJ990706_05.9A20.C37.o2.gs	Method	GENSCAN
Start	2795	End	3157
GI	none	Score	.55
Exons	2795..3003, 3076..3157		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37

Gene No.	40432	Strand	-
Start	1	End	1876
Name	OJ990706_05.9A20.C37.o1.np	Method	AAT/NAP
Start	1	End	1876
GI	4680203	Score	981
Exons	1..38, 355..1876		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o2.tm	Method	TBLASTX:Maize
Start	465	End	974
GI	none	Score	37
Exons	465..524, 533..658, 565..657, 674..904, 681..842, 933..974		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o1.tw	Method	TBLASTX:Wheat
Start	542	End	920
GI	none	Score	58
Exons	542..658, 543..659, 689..799, 699..800, 806..910, 813..920		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o2.tc	Method	TBLASTX:Cress
Start	752	End	1102
GI	none	Score	86
Exons	752..1102, 753..905, 945..1094		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o3.ts	Method	TBLASTX:Soybean
Start	833	End	1102
GI	none	Score	110
Exons	833..1102, 846..1088		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o2.tw	Method	TBLASTX:Wheat
Start	980	End	1528
GI	none	Score	37
Exons	980..1099, 992..1081, 1112..1528, 1113..1286		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o2.ts	Method	TBLASTX:Soybean
Start	1127	End	1405
GI	none	Score	192
Exons	1127..1402, 1134..1403, 1250..1405		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37

Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o2.np	Method	AAT/NAP
Start	3040	End	5990
GI	6665543	Score	504
Exons	3040..3061, 4192..5184, 5949..5990		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o3.gs	Method	GENSCAN
Start	4107	End	5561
GI	none	Score	.54
Exons	4107..5254, 5454..5561		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o1.tm	Method	TBLASTX:Maize
Start	4254	End	5177
GI	none	Score	64
Exons	4254..4445, 4446..4568, 4593..4688, 4597..4689, 4692..4754, 4693..4758, 4773..4967, 4980..5078, 5088..5177		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o1.tc	Method	TBLASTX:Cress
Start	4356	End	5496
GI	none	Score	63
Exons	4356..4589, 4593..4694, 4597..4695, 4797..4967, 4816..4920, 4980..5093, 4981..5052, 5094..5153, 5413..5496		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o1.ts	Method	TBLASTX:Soybean
Start	4434	End	5186
GI	none	Score	72
Exons	4434..4568, 4453..4566, 4585..4668, 4599..4688, 4692..4757, 4693..4755, 4785..4922, 4816..4920, 4980..5078, 5118..5186		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o4.tw	Method	TBLASTX:Wheat
Start	4435	End	4742
GI	none	Score	87
Exons	4435..4575, 4446..4574, 4593..4682, 4600..4740, 4680..4742		

Seq. No.	19363	Seq. ID	OJ990706_05.9A20.C37
Gene No.	40433	Strand	-
Start	3040	End	5990
Name	OJ990706_05.9A20.C37.o3.tw	Method	TBLASTX:Wheat
Start	4767	End	5063
GI	none	Score	60

Exons	4767..4889, 4776..4967, 4816..4920, 4965..5063, 4990..5052, 4992..5057		
Seq. No.	19364	Seq. ID	OJ990616_05.9A27.C1
Gene No.	40434	Strand	-
Start	9	End	245
Name	OJ990616_05.9A27.C1.o1.gs	Method	GENSCAN
Start	9	End	245
GI	none	Score	.95
Exons	9..53, 114..245		
Seq. No.	19365	Seq. ID	OJ990616_05.9A27.C4
Gene No.	40435	Strand	+
Start	334	End	744
Name	OJ990616_05.9A27.C4.o1.gs	Method	GENSCAN
Start	334	End	744
GI	none	Score	.85
Exons	334..398, 673..744		
Seq. No.	19366	Seq. ID	OJ990616_05.9A27.C5
Gene No.	40436	Strand	+
Start	200	End	432
Name	OJ990616_05.9A27.C5.o1.gs	Method	GENSCAN
Start	200	End	432
GI	none	Score	.89
Exons	200..331, 382..432		
Seq. No.	19367	Seq. ID	OJ990616_05.9A27.C6
Gene No.	40437	Strand	-
Start	396	End	721
Name	OJ990616_05.9A27.C6.o1.gs	Method	GENSCAN
Start	396	End	721
GI	none	Score	.74
Exons	396..492, 690..721		
Seq. No.	19368	Seq. ID	OJ990616_05.9A27.C9
Gene No.	40438	Strand	-
Start	328	End	358
Name	OJ990616_05.9A27.C9.o1.gs	Method	GENSCAN
Start	328	End	358
GI	none	Score	.48
Exons	328..358		
Seq. No.	19369	Seq. ID	OJ990616_05.9A27.C11
Gene No.	40439	Strand	+
Start	627	End	1102
Name	OJ990616_05.9A27.C11.o1.gs	Method	GENSCAN
Start	627	End	1102
GI	none	Score	.51
Exons	627..722, 827..1102		
Seq. No.	19369	Seq. ID	OJ990616_05.9A27.C11
Gene No.	40440	Strand	+
Start	1682	End	3417
Name	OJ990616_05.9A27.C11.o2.gs	Method	GENSCAN
Start	1682	End	3417
GI	none	Score	.65

Exons	1682..1760, 1845..1916, 2001..2229, 2317..2512, 2807..2920, 3049..3225, 3316..3417		
Seq. No.	19369	Seq. ID	OJ990616_05.9A27.C11
Gene No.	40441	Strand	-
Start	3893	End	4488
Name	OJ990616_05.9A27.C11.o3.gs	Method	GENSCAN
Start	3893	End	4488
GI	none	Score	.61
Exons	3893..3919, 3993..4107, 4397..4488		
Seq. No.	19370	Seq. ID	OJ990616_05.9A27.C13
Gene No.	40442	Strand	-
Start	57	End	541
Name	OJ990616_05.9A27.C13.o1.gp	Method	AAT/GAP
Start	57	End	541
GI	5039120	Score	886
Exons	57..541		
Seq. No.	19370	Seq. ID	OJ990616_05.9A27.C13
Gene No.	40442	Strand	-
Start	57	End	541
Name	OJ990616_05.9A27.C13.o1.gs	Method	GENSCAN
Start	293	End	535
GI	none	Score	1
Exons	293..535		
Seq. No.	19371	Seq. ID	OJ990616_05.9A27.C14
Gene No.	40443	Strand	+
Start	195	End	302
Name	OJ990616_05.9A27.C14.o1.gs	Method	GENSCAN
Start	195	End	302
GI	none	Score	.46
Exons	195..302		
Seq. No.	19372	Seq. ID	OJ990616_05.9A27.C17
Gene No.	40444	Strand	+
Start	1229	End	1358
Name	OJ990616_05.9A27.C17.o1.gs	Method	GENSCAN
Start	1229	End	1358
GI	none	Score	.93
Exons	1229..1358		
Seq. No.	19373	Seq. ID	OJ990616_05.9A27.C20
Gene No.	40445	Strand	+
Start	1	End	1266
Name	OJ990616_05.9A27.C20.o1.np	Method	AAT/NAP
Start	1	End	1266
GI	6560763	Score	503
Exons	1..123, 731..940, 1017..1266		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		
Seq. No.	19373	Seq. ID	OJ990616_05.9A27.C20
Gene No.	40445	Strand	+
Start	1	End	1266
Name	OJ990616_05.9A27.C20.o1.gs	Method	GENSCAN
Start	76	End	1190

GI	none	Score	.85
Exons	76..123, 731..940, 1017..1190		

Seq. No.	19374	Seq. ID	OJ990616_05.9A27.C23
Gene No.	40446	Strand	-
Start	1	End	487
Name	OJ990616_05.9A27.C23.o1.np	Method	AAT/NAP
Start	1	End	487
GI	100266	Score	162
Exons	1..74, 146..254, 391..487		
GI Descrip.	homeotic protein Hox7 - Peruvian tomato gi|19486|emb|CAA47871| (X67602) homeobox transcription factor Hox7 [Lycopersicon peruvianum]		

Seq. No.	19374	Seq. ID	OJ990616_05.9A27.C23
Gene No.	40447	Strand	-
Start	4156	End	4286
Name	OJ990616_05.9A27.C23.o2.np	Method	AAT/NAP
Start	4156	End	4286
GI	5051773	Score	75
Exons	4156..4286		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	19375	Seq. ID	OJ990616_05.9A27.C24
Gene No.	40448	Strand	+
Start	16	End	258
Name	OJ990616_05.9A27.C24.o1.gs	Method	GENSCAN
Start	16	End	258
GI	none	Score	.65
Exons	16..258		

Seq. No.	19376	Seq. ID	OJ990616_05.9A27.C25
Gene No.	40449	Strand	+
Start	384	End	1413
Name	OJ990616_05.9A27.C25.o1.gs	Method	GENSCAN
Start	384	End	1413
GI	none	Score	.67
Exons	384..402, 1304..1413		

Seq. No.	19377	Seq. ID	OJ990616_05.9A27.C27
Gene No.	40450	Strand	+
Start	1727	End	2068
Name	OJ990616_05.9A27.C27.o2.gs	Method	GENSCAN
Start	1727	End	2068
GI	none	Score	.76
Exons	1727..1813, 2039..2068		

Seq. No.	19377	Seq. ID	OJ990616_05.9A27.C27
Gene No.	40451	Strand	-
Start	227	End	949
Name	OJ990616_05.9A27.C27.o1.gs	Method	GENSCAN
Start	227	End	949
GI	none	Score	.45
Exons	227..320, 421..519, 696..949		

Seq. No.	19378	Seq. ID	OJ990616_05.9A27.C29
Gene No.	40452	Strand	+

Start	63	End	488
Name	OJ990616_05.9A27.C29.o1.gs	Method	GENSCAN
Start	63	End	488
GI	none	Score	.84
Exons	63..488		

Seq. No.	19379	Seq. ID	OJ990616_05.9A27.C30
Gene No.	40453	Strand	-
Start	571	End	1423
Name	OJ990616_05.9A27.C30.o1.tm	Method	TBLASTX:Maize
Start	530	End	838
GI	none	Score	325
Exons	530..838, 568..837, 569..838		

Seq. No.	19379	Seq. ID	OJ990616_05.9A27.C30
Gene No.	40453	Strand	-
Start	571	End	1423
Name	OJ990616_05.9A27.C30.o1.ts	Method	TBLASTX:Soybean
Start	530	End	849
GI	none	Score	152
Exons	530..772, 535..849		

Seq. No.	19379	Seq. ID	OJ990616_05.9A27.C30
Gene No.	40453	Strand	-
Start	571	End	1423
Name	OJ990616_05.9A27.C30.o1.gs	Method	GENSCAN
Start	571	End	1423
GI	none	Score	.42
Exons	571..846, 1303..1423		

Seq. No.	19379	Seq. ID	OJ990616_05.9A27.C30
Gene No.	40453	Strand	-
Start	571	End	1423
Name	OJ990616_05.9A27.C30.o1.gp	Method	AAT/GAP
Start	605	End	849
GI	none	Score	463
Exons	605..849		

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31
Gene No.	40454	Strand	+
Start	235	End	2398
Name	OJ990616_05.9A27.C31.o1.gs	Method	GENSCAN
Start	235	End	2398
GI	none	Score	.86
Exons	235..356, 1597..1745, 2250..2398		

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31
Gene No.	40455	Strand	+
Start	4393	End	8728
Name	OJ990616_05.9A27.C31.o2.gs	Method	GENSCAN
Start	4393	End	8728
GI	none	Score	.65
Exons	4393..4445, 4502..4577, 4717..4938, 4997..5405, 5411..5533, 6146..6232, 6324..6448, 6712..6808, 7068..7198, 7528..7616, 8180..8274, 8364..8728		

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31

Gene No.	40455	Strand	+
Start	4393	End	8728
Name	OJ990616_05.9A27.C31.o3.np	Method	AAT/NAP
Start	4820	End	7617
GI	6862961	Score	912
Exons	4820..5038, 5848..5893, 6146..6232, 6324..6451, 6715..6851, 6931..6982, 7088..7198, 7528..7617		
GI Descrip.	(AC019018) putative deoxyoctulonosic acid synthetase [Arabidopsis thaliana]		

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31
Gene No.	40456	Strand	-
Start	1385	End	1835
Name	OJ990616_05.9A27.C31.o1.np	Method	AAT/NAP
Start	1385	End	1835
GI	6539570	Score	163
Exons	1385..1451, 1633..1835		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31
Gene No.	40457	Strand	-
Start	1962	End	2039
Name	OJ990616_05.9A27.C31.o2.np	Method	AAT/NAP
Start	1962	End	2039
GI	6630699	Score	73
Exons	1962..2039		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31
Gene No.	40458	Strand	-
Start	8356	End	8696
Name	OJ990616_05.9A27.C31.o1.ts	Method	TBLASTX:Soybean
Start	4817	End	6840
GI	none	Score	149
Exons	4817..5038, 4855..5034, 5839..5892, 6141..6239, 6142..6237, 6323..6448, 6328..6468, 6329..6430, 6705..6767, 6706..6768, 6769..6840, 6771..6839		

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31
Gene No.	40458	Strand	-
Start	8356	End	8696
Name	OJ990616_05.9A27.C31.o1.tc	Method	TBLASTX:Cress
Start	4939	End	6373
GI	none	Score	142
Exons	4939..5034, 4940..5038, 5839..5892, 6141..6239, 6142..6237, 6323..6373		

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31
Gene No.	40458	Strand	-
Start	8356	End	8696
Name	OJ990616_05.9A27.C31.o1.tm	Method	TBLASTX:Maize
Start	4969	End	7583
GI	none	Score	109
Exons	4969..5034, 4970..5038, 4970..5038, 5839..5892, 5845..5892, 5846..5896, 6142..6237, 6144..6233, 6322..6384, 6323..6445,		

6323..6439, 6688..6852, 6707..6865, 6708..6851, 6928..6981, 6929..6988, 7089..7199, 7090..7200, 7092..7205, 7525..7581, 7527..7583

Seq. No.	19380	Seq. ID	OJ990616_05.9A27.C31
Gene No.	40458	Strand	-
Start	8356	End	8696
Name	OJ990616_05.9A27.C31.o1.gp	Method	AAT/GAP
Start	8356	End	8696
GI	none	Score	595
Exons	8356..8696		

Seq. No.	19381	Seq. ID	OJ990616_05.9A27.C32
Gene No.	40459	Strand	+
Start	1027	End	3739
Name	OJ990616_05.9A27.C32.o1.gs	Method	GENSCAN
Start	1027	End	3739
GI	none	Score	.6
Exons	1027..1240, 2025..2146, 2313..3068, 3155..3739		

Seq. No.	19381	Seq. ID	OJ990616_05.9A27.C32
Gene No.	40459	Strand	+
Start	1027	End	3739
Name	OJ990616_05.9A27.C32.o1.np	Method	AAT/NAP
Start	2391	End	3466
GI	6539555	Score	1349
Exons	2391..3068, 3155..3466		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	19381	Seq. ID	OJ990616_05.9A27.C32
Gene No.	40460	Strand	+
Start	5742	End	6552
Name	OJ990616_05.9A27.C32.o2.np	Method	AAT/NAP
Start	5742	End	6552
GI	100248	Score	132
Exons	5742..6041, 6163..6552		
GI Descrip.	proline-rich protein - tomato gi|19521|emb|CAA40361| (X57076) proline rich protein [Lycopersicon esculentum]		

Seq. No.	19381	Seq. ID	OJ990616_05.9A27.C32
Gene No.	40461	Strand	+
Start	7810	End	9109
Name	OJ990616_05.9A27.C32.o3.gs	Method	GENSCAN
Start	7810	End	9109
GI	none	Score	.69
Exons	7810..7996, 8025..8111, 8317..8418, 8882..9052, 9087..9109		

Seq. No.	19381	Seq. ID	OJ990616_05.9A27.C32
Gene No.	40462	Strand	-
Start	9632	End	9747
Name	OJ990616_05.9A27.C32.o1.tm	Method	TBLASTX:Maize
Start	2379	End	2666
GI	none	Score	191
Exons	2379..2666, 2420..2653		

Seq. No.	19381	Seq. ID	OJ990616_05.9A27.C32
Gene No.	40462	Strand	-
Start	9632	End	9747
Name	OJ990616_05.9A27.C32.o1.tw	Method	TBLASTX:Wheat
Start	3242	End	3523
GI	none	Score	220
Exons	3242..3523, 3256..3462		

Seq. No.	19381	Seq. ID	OJ990616_05.9A27.C32
Gene No.	40462	Strand	-
Start	9632	End	9747
Name	OJ990616_05.9A27.C32.o4.gs	Method	GENSCAN
Start	9632	End	9747
GI	none	Score	.5
Exons	9632..9747		

Seq. No.	19382	Seq. ID	OJ990616_05.9A27.C33
Gene No.	40463	Strand	-
Start	1304	End	1674
Name	OJ990616_05.9A27.C33.o2.gs	Method	GENSCAN
Start	1304	End	1674
GI	none	Score	.83
Exons	1304..1524, 1566..1674		

Seq. No.	19383	Seq. ID	OJ990616_05.9A27.C34
Gene No.	40464	Strand	+
Start	708	End	1145
Name	OJ990616_05.9A27.C34.o1.np	Method	AAT/NAP
Start	708	End	1145
GI	1666096	Score	107
Exons	708..755, 948..1145		
GI Descrip.	(Y09113) dioxygenase [Marah macrocarpus]		

Seq. No.	19383	Seq. ID	OJ990616_05.9A27.C34
Gene No.	40465	Strand	-
Start	861	End	1089
Name	OJ990616_05.9A27.C34.o1.gs	Method	GENSCAN
Start	861	End	1089
GI	none	Score	.86
Exons	861..971, 982..1089		

Seq. No.	19384	Seq. ID	OJ990616_05.9A27.C35
Gene No.	40466	Strand	+
Start	1	End	1053
Name	OJ990616_05.9A27.C35.o1.np	Method	AAT/NAP
Start	1	End	1023
GI	4678586	Score	440
Exons	1..285, 772..1023		
GI Descrip.	(AJ132438) GA 2-oxidase [Phaseolus coccineus]		

Seq. No.	19384	Seq. ID	OJ990616_05.9A27.C35
Gene No.	40466	Strand	+
Start	1	End	1053
Name	OJ990616_05.9A27.C35.o1.gs	Method	GENSCAN
Start	19	End	1053
GI	none	Score	.8
Exons	19..285, 772..1053		

Seq. No.	19384	Seq. ID	OJ990616_05.9A27.C35
Gene No.	40467	Strand	+
Start	2159	End	2385
Name	OJ990616_05.9A27.C35.o1.tm	Method	TBLASTX:Maize
Start	34	End	1008
GI	none	Score	62
Exons	34..78, 115..198, 120..197, 226..294, 252..314, 735..818, 742..867, 832..1008, 834..965		

Seq. No.	19384	Seq. ID	OJ990616_05.9A27.C35
Gene No.	40467	Strand	+
Start	2159	End	2385
Name	OJ990616_05.9A27.C35.o1.ts	Method	TBLASTX:Soybean
Start	34	End	1008
GI	none	Score	62
Exons	34..78, 115..198, 120..197, 226..294, 252..314, 735..818, 742..867, 832..1008, 834..965		

Seq. No.	19384	Seq. ID	OJ990616_05.9A27.C35
Gene No.	40467	Strand	+
Start	2159	End	2385
Name	OJ990616_05.9A27.C35.o2.gs	Method	GENSCAN
Start	2159	End	2385
GI	none	Score	.98
Exons	2159..2291, 2342..2385		

Seq. No.	19385	Seq. ID	OJ990616_05.9A27.C36
Gene No.	40468	Strand	-
Start	2804	End	3670
Name	OJ990616_05.9A27.C36.o1.tm	Method	TBLASTX:Maize
Start	2786	End	3214
GI	none	Score	190
Exons	2786..2989, 2789..3094, 2790..3044, 2797..3087, 3001..3096, 3112..3180, 3170..3214		

Seq. No.	19385	Seq. ID	OJ990616_05.9A27.C36
Gene No.	40468	Strand	-
Start	2804	End	3670
Name	OJ990616_05.9A27.C36.o1.gs	Method	GENSCAN
Start	2804	End	3559
GI	none	Score	.85
Exons	2804..3559		

Seq. No.	19385	Seq. ID	OJ990616_05.9A27.C36
Gene No.	40468	Strand	-
Start	2804	End	3670
Name	OJ990616_05.9A27.C36.o1.np	Method	AAT/NAP
Start	2858	End	3670
GI	6735380	Score	317
Exons	2858..3139, 3185..3670		
GI Descrip.	(AL137082) putative protein [Arabidopsis thaliana]		

Seq. No.	19385	Seq. ID	OJ990616_05.9A27.C36
Gene No.	40468	Strand	-
Start	2804	End	3670
Name	OJ990616_05.9A27.C36.o2.tm	Method	TBLASTX:Maize

Start	3350	End	3670
GI	none	Score	247
Exons	3350..3385, 3446..3670, 3447..3668		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40469	Strand	+
Start	278	End	448
Name	OJ990616_05.9A27.C37.o1.gs	Method	GENSCAN
Start	278	End	448
GI	none	Score	.98
Exons	278..448		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40470	Strand	+
Start	1448	End	1791
Name	OJ990616_05.9A27.C37.o2.gs	Method	GENSCAN
Start	1448	End	1791
GI	none	Score	.94
Exons	1448..1571, 1676..1791		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40471	Strand	-
Start	2345	End	5333
Name	OJ990616_05.9A27.C37.o1.tm	Method	TBLASTX:Maize
Start	2281	End	5331
GI	none	Score	82
Exons	2281..2460, 2342..2626, 2343..2654, 2607..2870, 2625..2831, 2818..2922, 2820..2921, 3677..3808, 3680..3808, 3690..3809, 3690..3809, 3691..3813, 3694..3843, 4413..4496, 4415..4498, 5139..5195, 5140..5331, 5247..5291		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40471	Strand	-
Start	2345	End	5333
Name	OJ990616_05.9A27.C37.o1.ts	Method	TBLASTX:Soybean
Start	2333	End	2798
GI	none	Score	115
Exons	2333..2638, 2343..2480, 2348..2605, 2502..2639, 2694..2798		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40471	Strand	-
Start	2345	End	5333
Name	OJ990616_05.9A27.C37.o3.tw	Method	TBLASTX:Wheat
Start	2340	End	2479
GI	none	Score	130
Exons	2340..2474, 2340..2462, 2342..2473, 2348..2479		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40471	Strand	-
Start	2345	End	5333
Name	OJ990616_05.9A27.C37.o1.tc	Method	TBLASTX:Cress
Start	2341	End	2620
GI	none	Score	66
Exons	2341..2472, 2342..2620, 2343..2618, 2357..2620		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40471	Strand	-

Start	2345	End	5333
Name	OJ990616_05.9A27.C37.o1.np	Method	AAT/NAP
Start	2345	End	5333
GI	3738302	Score	659
Exons	2345..2919, 3689..3824, 4405..4492, 5148..5333		
GI Descrip.	(AC005309) putative Tub family protein [Arabidopsis thaliana]		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40471	Strand	-
Start	2345	End	5333
Name	OJ990616_05.9A27.C37.o1.tw	Method	TBLASTX:Wheat
Start	2492	End	2632
GI	none	Score	142
Exons	2492..2632, 2514..2627		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40471	Strand	-
Start	2345	End	5333
Name	OJ990616_05.9A27.C37.o2.tw	Method	TBLASTX:Wheat
Start	2646	End	3769
GI	none	Score	50
Exons	2646..2870, 2686..2814, 2818..2922, 2820..2921, 3665..3769, 3694..3768		

Seq. No.	19386	Seq. ID	OJ990616_05.9A27.C37
Gene No.	40471	Strand	-
Start	2345	End	5333
Name	OJ990616_05.9A27.C37.o2.tc	Method	TBLASTX:Cress
Start	2682	End	4493
GI	none	Score	53
Exons	2682..2870, 2688..2792, 2820..2921, 2856..2915, 2857..2922, 3677..3814, 3694..3843, 4412..4492, 4413..4493		

Seq. No.	19387	Seq. ID	OJ990616_05.9A27.C38
Gene No.	40472	Strand	-
Start	20	End	1257
Name	OJ990616_05.9A27.C38.o1.gs	Method	GENSCAN
Start	20	End	1257
GI	none	Score	.86
Exons	20..322, 1161..1257		

Seq. No.	19388	Seq. ID	OJ990616_05.9A27.C39
Gene No.	40473	Strand	+
Start	1467	End	4175
Name	OJ990616_05.9A27.C39.o1.gs	Method	GENSCAN
Start	1467	End	4140
GI	none	Score	.65
Exons	1467..1607, 2183..2312, 2374..2664, 2834..3024, 3122..3254, 3355..3509, 3720..3905, 4023..4140		

Seq. No.	19388	Seq. ID	OJ990616_05.9A27.C39
Gene No.	40473	Strand	+
Start	1467	End	4175
Name	OJ990616_05.9A27.C39.o1.gp	Method	AAT/GAP
Start	1922	End	2635
GI	none	Score	1186
Exons	1922..2004, 2098..2635		

Seq. No.	19388	Seq. ID	OJ990616_05.9A27.C39
Gene No.	40473	Strand	+
Start	1467	End	4175
Name	OJ990616_05.9A27.C39.o1.np	Method	AAT/NAP
Start	2491	End	4175
GI	4539383	Score	695
Exons	2491..2664, 2834..3024, 3122..3276, 3352..3509, 3720..3932, 4052..4175		
GI Descrip.	(AL035526) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	19388	Seq. ID	OJ990616_05.9A27.C39
Gene No.	40473	Strand	+
Start	1467	End	4175
Name	OJ990616_05.9A27.C39.o2.gp	Method	AAT/GAP
Start	2930	End	3839
GI	LIB3434-032-P1-K1-B4	Score	870
Exons	2930..3024, 3122..3254, 3355..3509, 3720..3839		
GI Descrip.	'4588001/gb|AAD25942.1|AF085279_15 7.0e-40 (AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	19388	Seq. ID	OJ990616_05.9A27.C39
Gene No.	40474	Strand	+
Start	4117	End	4175
Name	OJ990616_05.9A27.C39.o1.tm	Method	TBLASTX:Maize
Start	2577	End	3872
GI	none	Score	130
Exons	2577..2666, 2585..2665, 2829..2930, 2830..3027, 2832..3029, 3104..3274, 3115..3249, 3119..3295, 3353..3508, 3357..3512, 3363..3512, 3719..3745, 3765..3872, 3809..3871		

Seq. No.	19388	Seq. ID	OJ990616_05.9A27.C39
Gene No.	40474	Strand	+
Start	4117	End	4175
Name	OJ990616_05.9A27.C39.o1.ts	Method	TBLASTX:Soybean
Start	2586	End	3259
GI	none	Score	101
Exons	2586..2666, 2591..2665, 2830..3027, 2832..3020, 3119..3259, 3121..3237		

Seq. No.	19388	Seq. ID	OJ990616_05.9A27.C39
Gene No.	40474	Strand	+
Start	4117	End	4175
Name	OJ990616_05.9A27.C39.o1.tc	Method	TBLASTX:Cress
Start	2588	End	3259
GI	none	Score	112
Exons	2588..2665, 2589..2666, 2830..3027, 2832..2987, 3115..3234, 3116..3259, 3134..3253		

Seq. No.	19388	Seq. ID	OJ990616_05.9A27.C39
Gene No.	40474	Strand	+
Start	4117	End	4175
Name	OJ990616_05.9A27.C39.o3.gp	Method	AAT/GAP
Start	4117	End	4175
GI	none	Score	91
Exons	4117..4175		

Seq. No.	19389	Seq. ID	OJ990616_05.9A27.C40
Gene No.	40475	Strand	+
Start	1	End	744
Name	OJ990616_05.9A27.C40.o1.gp	Method	AAT/GAP
Start	1	End	123
GI	LIB3434-032-P1-K1-B4	Score	226
Exons	1..123		
GI Descrip.	'4588001/gb|AAD25942.1|AF085279_15 7.0e-40 (AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana]'		

Seq. No.	19389	Seq. ID	OJ990616_05.9A27.C40
Gene No.	40475	Strand	+
Start	1	End	744
Name	OJ990616_05.9A27.C40.o1.np	Method	AAT/NAP
Start	1	End	564
GI	4539383	Score	231
Exons	1..216, 336..564		
GI Descrip.	(AL035526) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	19389	Seq. ID	OJ990616_05.9A27.C40
Gene No.	40475	Strand	+
Start	1	End	744
Name	OJ990616_05.9A27.C40.o1.tm	Method	TBLASTX:Maize
Start	3	End	697
GI	none	Score	156
Exons	3..59, 67..195, 87..179, 291..533, 305..454, 307..552, 411..551, 659..697		

Seq. No.	19389	Seq. ID	OJ990616_05.9A27.C40
Gene No.	40475	Strand	+
Start	1	End	744
Name	OJ990616_05.9A27.C40.o1.ts	Method	TBLASTX:Soybean
Start	76	End	552
GI	none	Score	84
Exons	76..174, 322..552, 426..542		

Seq. No.	19389	Seq. ID	OJ990616_05.9A27.C40
Gene No.	40475	Strand	+
Start	1	End	744
Name	OJ990616_05.9A27.C40.o1.tc	Method	TBLASTX:Cress
Start	337	End	552
GI	none	Score	209
Exons	337..552, 346..549, 390..551		

Seq. No.	19389	Seq. ID	OJ990616_05.9A27.C40
Gene No.	40475	Strand	+
Start	1	End	744
Name	OJ990616_05.9A27.C40.o2.gp	Method	AAT/GAP
Start	401	End	744
GI	none	Score	643
Exons	401..744		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40476	Strand	+
Start	553	End	3943
Name	OJ990616_05.9A27.C41.o1.np	Method	AAT/NAP
Start	553	End	3499

GI	4753658	Score	1104
Exons	553..717, 1328..1511, 1609..1763, 2092..2166, 2274..2546, 2651..2971, 3074..3343, 3386..3499		
GI Descrip.	(AL049751) putative protein [Arabidopsis thaliana]		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40476	Strand	+
Start	553	End	3943
Name	OJ990616_05.9A27.C41.o1.gs	Method	GENSCAN
Start	959	End	3943
GI	none	Score	.56
Exons	959..1298, 1395..1511, 1609..1763, 2172..2546, 2651..2971, 3074..3271, 3872..3943		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40477	Strand	+
Start	6688	End	7482
Name	OJ990616_05.9A27.C41.o3.np	Method	AAT/NAP
Start	6688	End	7482
GI	6453864	Score	172
Exons	6688..6842, 7322..7482		
GI Descrip.	(AC011717) unknown protein [Arabidopsis thaliana]		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40478	Strand	-
Start	54	End	267
Name	OJ990616_05.9A27.C41.o1.gp	Method	AAT/GAP
Start	54	End	267
GI	5039120	Score	380
Exons	54..267		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o3.ts	Method	TBLASTX:Soybean
Start	1360	End	2378
GI	none	Score	163
Exons	1360..1509, 1388..1519, 1602..1745, 1607..1744, 2089..2151, 2274..2378		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o3.tm	Method	TBLASTX:Maize
Start	1391	End	1754
GI	none	Score	167
Exons	1391..1519, 1393..1509, 1602..1754, 1607..1726, 1611..1751		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o4.tm	Method	TBLASTX:Maize
Start	2100	End	2400
GI	none	Score	85
Exons	2100..2177, 2101..2166, 2101..2199, 2226..2399, 2248..2400, 2267..2398, 2299..2400		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o2.tc	Method	TBLASTX:Cress
Start	2357	End	2782
GI	none	Score	196
Exons	2357..2545, 2358..2546, 2651..2782		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o1.tm	Method	TBLASTX:Maize
Start	2405	End	3325
GI	none	Score	185
Exons	2405..2542, 2406..2546, 2647..2973, 2654..2971, 2770..2973, 3071..3181, 3073..3195, 3296..3325		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o1.ts	Method	TBLASTX:Soybean
Start	2463	End	2971
GI	none	Score	111
Exons	2463..2546, 2465..2545, 2467..2547, 2650..2811, 2650..2835, 2651..2836, 2827..2958, 2828..2971		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o2.gp	Method	AAT/GAP
Start	4183	End	5186
GI	897_1.R1084	Score	1384
Exons	4183..4582, 4661..4790, 4919..5186		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o2.ts	Method	TBLASTX:Soybean
Start	4334	End	5055
GI	none	Score	38
Exons	4334..4387, 4394..4588, 4404..4487, 4548..4583, 4661..4780, 4665..4781, 4895..5047, 4948..5055		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o1.tc	Method	TBLASTX:Cress
Start	4391	End	5007
GI	none	Score	87
Exons	4391..4588, 4392..4490, 4548..4583, 4661..4780, 4668..4781, 4948..5007		

Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903

Name	OJ990616_05.9A27.C41.o2.tm	Method	TBLASTX:Maize
Start	4391	End	5040
GI	none	Score	99
Exons	4391..4501, 4391..4588, 4392..4586, 4543..4590, 4661..4783, 4668..4784, 4957..5040, 4958..5026		
Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o2.gs	Method	GENSCAN
Start	4403	End	6903
GI	none	Score	.4
Exons	4403..4582, 4661..4790, 4919..5068, 5127..5274, 5854..5978, 6281..6903		
Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o2.np	Method	AAT/NAP
Start	4406	End	5037
GI	3885894	Score	670
Exons	4406..4582, 4661..4790, 4919..5037		
GI Descrip.	(AF093635) photosystem-1 H subunit GOS5 [Oryza sativa]		
Seq. No.	19390	Seq. ID	OJ990616_05.9A27.C41
Gene No.	40479	Strand	-
Start	4403	End	6903
Name	OJ990616_05.9A27.C41.o1.tw	Method	TBLASTX:Wheat
Start	4515	End	5040
GI	none	Score	48
Exons	4515..4586, 4541..4588, 4548..4586, 4656..4784, 4661..4783, 4918..5040, 4918..5040		
Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o1.np	Method	AAT/NAP
Start	1	End	7295
GI	6453864	Score	1449
Exons	1..393, 554..1005, 1651..1722, 1917..1991, 2393..2507, 2962..3023, 3113..3160, 3624..3897, 4052..4122, 4214..4297, 4950..5061, 5141..5385, 6065..6159, 6346..6487, 6663..6722, 6804..6917, 7215..7295		
GI Descrip.	(AC011717) unknown protein [Arabidopsis thaliana]		
Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o1.gs	Method	GENSCAN
Start	97	End	7561
GI	none	Score	.94
Exons	97..1005, 1651..1722, 1917..1991, 2393..2507, 2912..2961, 3113..3160, 3624..3911, 4063..4122, 4214..4297, 4447..4512, 4950..5048, 5167..5385, 6065..6152, 6264..6487, 6663..6722, 6804..6917, 7215..7289, 7475..7561		
Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42

Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o1.gp	Method	AAT/GAP
Start	962	End	3715
GI	29931_1.R1084	Score	817
Exons	962..1005, 1651..1722, 1917..1991, 2393..2507, 2962..3023, 3113..3160, 3624..3715		
GI Descrip.	'6005904/ref|NP_009045.1|pTMF1| 1.0e-15 TATA element modulatory factor 1 >gi_423112_pir__A47212 transcription factor TMF, TATA element modulatory factor - human >gi_5870866_gb_AAD54608.1_ (L01042) TATA element modulatory factor [Homo sapiens]'		

Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o2.tm	Method	TBLASTX:Maize
Start	3636	End	4490
GI	none	Score	283
Exons	3636..3896, 3637..3750, 3654..3890, 3812..3898, 3824..3892, 4060..4128, 4061..4123, 4209..4295, 4211..4336, 4211..4297, 4240..4329, 4443..4490, 4444..4488, 4449..4490		

Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o1.tw	Method	TBLASTX:Wheat
Start	4479	End	6144
GI	none	Score	58
Exons	4479..4514, 4946..5047, 4981..5046, 4984..5049, 4988..5047, 4989..5051, 5160..5276, 5164..5382, 5164..5382, 5165..5386, 5312..5386, 6063..6143, 6064..6144, 6065..6142		

Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o1.ts	Method	TBLASTX:Soybean
Start	5164	End	5385
GI	none	Score	236
Exons	5164..5385, 5164..5385		

Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o2.gp	Method	AAT/GAP
Start	5258	End	6830
GI	none	Score	958
Exons	5258..5385, 6065..6152, 6264..6487, 6663..6722, 6804..6830		

Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o1.tm	Method	TBLASTX:Maize
Start	5329	End	7421
GI	none	Score	90
Exons	5329..5385, 5330..5386, 5330..5386, 6063..6152, 6063..6155, 6064..6153, 6106..6159, 6249..6488, 6265..6504, 6266..6487, 6661..6720, 6662..6721, 6662..6721, 6663..6722, 6796..6879,		

6800..6880, 6801..6920, 6975..7028, 7212..7262, 7212..7289,
7213..7335, 7375..7407, 7377..7421

Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o2.ts	Method	TBLASTX:Soybean
Start	6412	End	7292
GI	none	Score	105
Exons	6412..6504, 6413..6487, 6662..6721, 6663..6722, 6672..6722, 6800..6880, 6801..6920, 6801..6917, 7212..7262, 7212..7292		

Seq. No.	19391	Seq. ID	OJ990616_05.9A27.C42
Gene No.	40480	Strand	+
Start	1	End	7793
Name	OJ990616_05.9A27.C42.o3.gp	Method	AAT/GAP
Start	7197	End	7793
GI	none	Score	694
Exons	7197..7289, 7488..7793		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40481	Strand	+
Start	49	End	358
Name	OJ990616_05.9A27.C43.o1.gp	Method	AAT/GAP
Start	49	End	358
GI	none	Score	554
Exons	49..358		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40482	Strand	+
Start	2484	End	3812
Name	OJ990616_05.9A27.C43.o2.gs	Method	GENSCAN
Start	2484	End	3812
GI	none	Score	.44
Exons	2484..2571, 3223..3812		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40483	Strand	-
Start	606	End	1131
Name	OJ990616_05.9A27.C43.o1.gs	Method	GENSCAN
Start	606	End	1100
GI	none	Score	.85
Exons	606..1100		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40483	Strand	-
Start	606	End	1131
Name	OJ990616_05.9A27.C43.o2.gp	Method	AAT/GAP
Start	702	End	1131
GI	2798261	Score	590
Exons	702..1131		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40484	Strand	-
Start	3802	End	7118
Name	OJ990616_05.9A27.C43.o3.gp	Method	AAT/GAP
Start	3802	End	4113

GI	3769075	Score	574
Exons	3802..4113		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40484	Strand	-
Start	3802	End	7118
Name	OJ990616_05.9A27.C43.o1.np	Method	AAT/NAP
Start	3807	End	7118
GI	5668771	Score	500
Exons	3807..3854, 4370..4522, 5071..5329, 6729..7118		
GI Descrip.	(AC005916) Contains similarity to gb|D88035 glycoprotein specific UDP-glucuronyltransferase from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40484	Strand	-
Start	3802	End	7118
Name	OJ990616_05.9A27.C43.o1.tm	Method	TBLASTX:Maize
Start	4341	End	7117
GI	none	Score	49
Exons	4341..4412, 4349..4405, 4367..4492, 4395..4526, 4397..4528, 4404..4538, 4405..4527, 5065..5331, 5069..5332, 5070..5333, 6687..7091, 6725..7099, 6728..7117		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40484	Strand	-
Start	3802	End	7118
Name	OJ990616_05.9A27.C43.o3.gs	Method	GENSCAN
Start	4352	End	6881
GI	none	Score	.86
Exons	4352..4522, 5071..5329, 6729..6881		

Seq. No.	19392	Seq. ID	OJ990616_05.9A27.C43
Gene No.	40484	Strand	-
Start	3802	End	7118
Name	OJ990616_05.9A27.C43.o1.ts	Method	TBLASTX:Soybean
Start	5122	End	7075
GI	none	Score	225
Exons	5122..5226, 5230..5325, 6731..7075		

Seq. No.	19393	Seq. ID	OJ990616_05.9A27.C44
Gene No.	40485	Strand	-
Start	244	End	517
Name	OJ990616_05.9A27.C44.o1.gs	Method	GENSCAN
Start	244	End	517
GI	none	Score	.95
Exons	244..345, 442..517		

Seq. No.	19394	Seq. ID	OJ990616_05.9A27.C45
Gene No.	40486	Strand	+
Start	2903	End	3363
Name	OJ990616_05.9A27.C45.o2.gp	Method	AAT/GAP
Start	2903	End	3363
GI	LIB3432-059-P1-K1-D8	Score	710
Exons	2903..3363		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	19394	Seq. ID	OJ990616_05.9A27.C45
Gene No.	40487	Strand	-
Start	296	End	5302
Name	OJ990616_05.9A27.C45.o1.gs	Method	GENSCAN
Start	296	End	5302
GI	none	Score	.77
Exons	296..409, 1502..1546, 1947..2022, 2119..2194, 2297..2523, 2634..2732, 3386..3581, 3671..3896, 4008..4091, 4173..4358, 4617..4950, 5186..5302		

Seq. No.	19394	Seq. ID	OJ990616_05.9A27.C45
Gene No.	40487	Strand	-
Start	296	End	5302
Name	OJ990616_05.9A27.C45.o3.gp	Method	AAT/GAP
Start	4058	End	4331
GI	4715099	Score	548
Exons	4058..4331		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40488	Strand	+
Start	1	End	3791
Name	OJ990616_05.9A27.C46.o1.np	Method	AAT/NAP
Start	1	End	2587
GI	5734621	Score	125
Exons	1..215, 2564..2587		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40488	Strand	+
Start	1	End	3791
Name	OJ990616_05.9A27.C46.o1.gs	Method	GENSCAN
Start	64	End	1337
GI	none	Score	.45
Exons	64..176, 1054..1337		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40488	Strand	+
Start	1	End	3791
Name	OJ990616_05.9A27.C46.o2.gs	Method	GENSCAN
Start	2310	End	3791
GI	none	Score	.81
Exons	2310..2363, 2745..2827, 3677..3791		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40489	Strand	-
Start	3938	End	3995
Name	OJ990616_05.9A27.C46.o1.gp	Method	AAT/GAP
Start	3938	End	3995
GI	2312838	Score	65
Exons	3938..3995		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46

Gene No.	40490	Strand	-
Start	4914	End	7726
Name	OJ990616_05.9A27.C46.o2.gp	Method	AAT/GAP
Start	4492	End	5816
GI	none	Score	1532
Exons	4492..5022, 5499..5816		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40490	Strand	-
Start	4914	End	7726
Name	OJ990616_05.9A27.C46.o3.gs	Method	GENSCAN
Start	4914	End	7393
GI	none	Score	.57
Exons	4914..5022, 5499..5600, 5948..6012, 7049..7188, 7321..7393		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40490	Strand	-
Start	4914	End	7726
Name	OJ990616_05.9A27.C46.o3.gp	Method	AAT/GAP
Start	5938	End	7726
GI	20610_1.R1084	Score	1171
Exons	5938..6012, 7049..7188, 7321..7726		
GI Descrip.	'1076316/pir||S51478 8.0e-12 drought-induced protein Di19 - Arabidopsis thaliana >gi_469110_emb_CAA55321_ (X78584) Di19 [Arabidopsis thaliana]'		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o5.tm	Method	TBLASTX:Maize
Start	5456	End	7168
GI	none	Score	110
Exons	5456..5644, 5480..5758, 5496..5648, 5547..5801, 5685..5771, 5686..5814, 5687..5791, 5908..5988, 5909..6013, 5910..5987, 5935..6024, 7049..7168, 7050..7148		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o4.ts	Method	TBLASTX:Soybean
Start	5580	End	5789
GI	none	Score	92
Exons	5580..5645, 5581..5673, 5585..5683, 5597..5662, 5651..5782, 5666..5758, 5685..5789		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o2.tw	Method	TBLASTX:Wheat
Start	5946	End	7393
GI	none	Score	77
Exons	5946..6011, 5947..6012, 5947..6030, 7049..7147, 7050..7148, 7157..7192, 7318..7392, 7325..7393		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544

Name	OJ990616_05.9A27.C46.o1.tc	Method	TBLASTX:Cress
Start	9416	End	9774
GI	none	Score	126
Exons	9416..9637, 9451..9645, 9634..9774, 9635..9772		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o1:tm	Method	TBLASTX:Maize
Start	9455	End	10519
GI	none	Score	634
Exons	9455..9562, 9458..9901, 9463..9900, 9641..9901, 9658..9903, 10478..10519		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o1.tw	Method	TBLASTX:Wheat
Start	9461	End	9904
GI	none	Score	621
Exons	9461..9901, 9464..9562, 9466..9897, 9658..9903, 9701..9904		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o4.gs	Method	GENSCAN
Start	9463	End	11244
GI	none	Score	.92
Exons	9463..9901, 10480..10964, 11080..11244		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o2.np	Method	AAT/NAP
Start	9469	End	11244
GI	4586038	Score	1276
Exons	9469..9901, 10480..10696, 10742..10964, 11080..11244		
GI Descrip.	(AC007109) putative heat shock protein [Arabidopsis thaliana]		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o1.ts	Method	TBLASTX:Soybean
Start	9472	End	10584
GI	none	Score	412
Exons	9472..9867, 9476..9865, 9853..9894, 10477..10584, 10479..10583		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o4.gp	Method	AAT/GAP
Start	9735	End	10650
GI	LIB3433-056-P1-K1-B11	Score	585
Exons	9735..9901, 10480..10650		
GI Descrip.	'4586038/gb|AAD25656.1|AC007109_14 1.0e-08 (AC007109) putative heat shock protein [Arabidopsis thaliana]'		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o3.np	Method	AAT/NAP
Start	10114	End	13352
GI	5852093	Score	62
Exons	10114..10134, 11858..11977, 13332..13352		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o2.tc	Method	TBLASTX:Cress
Start	10756	End	11245
GI	none	Score	83
Exons	10756..10839, 10779..10838, 10896..10964, 10897..10965, 11062..11244, 11072..11245		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o3.ts	Method	TBLASTX:Soybean
Start	10756	End	11245
GI	none	Score	86
Exons	10756..10839, 10779..10850, 10902..10964, 10903..10977, 11062..11244, 11072..11245		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o3.tm	Method	TBLASTX:Maize
Start	10756	End	11342
GI	none	Score	150
Exons	10756..10797, 10759..10857, 10779..10964, 10897..10965, 11062..11244, 11072..11245, 11286..11342		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o4.np	Method	AAT/NAP
Start	10861	End	16544
GI	6560763	Score	615
Exons	10861..10913, 11268..11377, 13787..14011, 14552..14656, 14750..14799, 14842..15373, 16172..16544		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o5.gp	Method	AAT/GAP
Start	11057	End	11362
GI	2312458	Score	522
Exons	11057..11362		
GI Descrip.	4586038/gb|AAD25656.1|AC007109_14 1.0e-08 (AC007109) putative heat shock protein [Arabidopsis thaliana]		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46

Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o5.gs	Method	GENSCAN
Start	12728	End	14656
GI	none	Score	.91
Exons	12728..13573, 13748..14011, 14552..14656		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o4.tm	Method	TBLASTX:Maize
Start	13010	End	13588
GI	none	Score	43
Exons	13010..13057, 13091..13246, 13098..13262, 13263..13283, 13341..13451, 13348..13452, 13497..13574, 13505..13588		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o6.gp	Method	AAT/GAP
Start	13159	End	13856
GI	none	Score	981
Exons	13159..13573, 13748..13856		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o2.tm	Method	TBLASTX:Maize
Start	14792	End	16318
GI	none	Score	149
Exons	14792..14923, 14793..14909, 14798..14923, 14907..15206, 14909..15199, 15186..15356, 15204..15368, 15206..15376, 15208..15384, 16166..16318, 16167..16316		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o2.ts	Method	TBLASTX:Soybean
Start	14933	End	16282
GI	none	Score	103
Exons	14933..15121, 14952..15122, 15137..15196, 15263..15376, 16154..16282, 16155..16277		

Seq. No.	19395	Seq. ID	OJ990616_05.9A27.C46
Gene No.	40491	Strand	-
Start	9463	End	16544
Name	OJ990616_05.9A27.C46.o3.tc	Method	TBLASTX:Cress
Start	16164	End	16396
GI	none	Score	128
Exons	16164..16358, 16187..16393, 16262..16396		

Seq. No.	19396	Seq. ID	OJ990616_05.9A27.C47
Gene No.	40492	Strand	-
Start	1	End	1059
Name	OJ990616_05.9A27.C47.o1.np	Method	AAT/NAP
Start	1	End	1059
GI	6560763	Score	407

Exons	1..352, 421..623, 684..1059		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		
Seq. No.	19396	Seq. ID	OJ990616_05.9A27.C47
Gene No.	40492	Strand	-
Start	1	End	1059
Name	OJ990616_05.9A27.C47.o1.gs	Method	GENSCAN
Start	68	End	1000
GI	none	Score	.88
Exons	68..229, 421..1000		
Seq. No.	19397	Seq. ID	OJ990616_05.9A27.C48
Gene No.	40493	Strand	+
Start	75	End	756
Name	OJ990616_05.9A27.C48.o1.gs	Method	GENSCAN
Start	75	End	756
GI	none	Score	.64
Exons	75..221, 559..756		
Seq. No.	19398	Seq. ID	OJ990616_05.9A27.C49
Gene No.	40494	Strand	+
Start	67	End	410
Name	OJ990616_05.9A27.C49.o1.gs	Method	GENSCAN
Start	67	End	410
GI	none	Score	.94
Exons	67..190, 295..410		
Seq. No.	19399	Seq. ID	OJ990616_05.9A27.C50
Gene No.	40495	Strand	+
Start	1	End	769
Name	OJ990616_05.9A27.C50.o1.np	Method	AAT/NAP
Start	1	End	769
GI	6850348	Score	333
Exons	1..294, 397..570, 612..769		
GI Descrip.	(AC022354) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	19399	Seq. ID	OJ990616_05.9A27.C50
Gene No.	40495	Strand	+
Start	1	End	769
Name	OJ990616_05.9A27.C50.o1.tm	Method	TBLASTX:Maize
Start	87	End	648
GI	none	Score	231
Exons	87..296, 88..294, 93..296, 394..504, 396..518, 619..648		
Seq. No.	19399	Seq. ID	OJ990616_05.9A27.C50
Gene No.	40495	Strand	+
Start	1	End	769
Name	OJ990616_05.9A27.C50.o1.ts	Method	TBLASTX:Soybean
Start	88	End	294
GI	none	Score	76
Exons	88..159, 88..135, 150..281, 151..294		
Seq. No.	19399	Seq. ID	OJ990616_05.9A27.C50
Gene No.	40495	Strand	+
Start	1	End	769
Name	OJ990616_05.9A27.C50.o1.gs	Method	GENSCAN
Start	133	End	594

GI	none	Score	.97
Exons	133..294, 397..594		

Seq. No.	19400	Seq. ID	OJ990616_05.9A27.C51
Gene No.	40496	Strand	+
Start	949	End	2127
Name	OJ990616_05.9A27.C51.o1.tm	Method	TBLASTX:Maize
Start	946	End	1725
GI	none	Score	190
Exons	946..1089, 947..1090, 948..1094, 1023..1094, 1114..1194, 1118..1222, 1119..1220, 1233..1319, 1238..1312, 1239..1361, 1240..1377, 1362..1451, 1363..1452, 1363..1452, 1466..1504, 1516..1725, 1522..1725		

Seq. No.	19400	Seq. ID	OJ990616_05.9A27.C51
Gene No.	40496	Strand	+
Start	949	End	2127
Name	OJ990616_05.9A27.C51.o1.gs	Method	GENSCAN
Start	949	End	2127
GI	none	Score	.92
Exons	949..2127		

Seq. No.	19400	Seq. ID	OJ990616_05.9A27.C51
Gene No.	40496	Strand	+
Start	949	End	2127
Name	OJ990616_05.9A27.C51.o2.tm	Method	TBLASTX:Maize
Start	1746	End	1978
GI	none	Score	62
Exons	1746..1766, 1782..1826, 1817..1888, 1822..1977, 1824..1976, 1826..1978		

Seq. No.	19401	Seq. ID	OJ990616_05.9A27.C52
Gene No.	40497	Strand	+
Start	361	End	547
Name	OJ990616_05.9A27.C52.o1.gs	Method	GENSCAN
Start	361	End	547
GI	none	Score	.41
Exons	361..547		

Seq. No.	19402	Seq. ID	OJ990616_05.9A27.C53
Gene No.	40498	Strand	+
Start	260	End	333
Name	OJ990616_05.9A27.C53.o1.gs	Method	GENSCAN
Start	260	End	333
GI	none	Score	.59
Exons	260..333		

Seq. No.	19402	Seq. ID	OJ990616_05.9A27.C53
Gene No.	40499	Strand	-
Start	177	End	358
Name	OJ990616_05.9A27.C53.o1.gp	Method	AAT/GAP
Start	177	End	358
GI	none	Score	293
Exons	177..358		

Seq. No.	19403	Seq. ID	OJ990616_05.9A27.C54
Gene No.	40500	Strand	+

Start	359	End	535
Name	OJ990616_05.9A27.C54.o1.gs	Method	GENSCAN
Start	359	End	535
GI	none	Score	.84
Exons	359..535		

Seq. No.	19404	Seq. ID	OJ990616_05.9A27.C55
Gene No.	40501	Strand	-
Start	204	End	253
Name	OJ990616_05.9A27.C55.o1.gs	Method	GENSCAN
Start	204	End	253
GI	none	Score	.69
Exons	204..253		

Seq. No.	19405	Seq. ID	OJ990616_05.9A27.C62
Gene No.	40502	Strand	+
Start	1	End	668
Name	OJ990616_05.9A27.C62.o1.gp	Method	AAT/GAP
Start	1	End	404
GI	none	Score	756
Exons	1..404		

Seq. No.	19405	Seq. ID	OJ990616_05.9A27.C62
Gene No.	40502	Strand	+
Start	1	End	668
Name	OJ990616_05.9A27.C62.o1.np	Method	AAT/NAP
Start	255	End	668
GI	4539383	Score	107
Exons	255..433, 603..668		
GI Descrip.	(AL035526) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	19406	Seq. ID	OJ990616_05.9A27.C63
Gene No.	40503	Strand	-
Start	1	End	578
Name	OJ990616_05.9A27.C63.o1.np	Method	AAT/NAP
Start	1	End	578
GI	6560763	Score	82
Exons	1..75, 344..578		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		

Seq. No.	19406	Seq. ID	OJ990616_05.9A27.C63
Gene No.	40503	Strand	-
Start	1	End	578
Name	OJ990616_05.9A27.C63.o1.gp	Method	AAT/GAP
Start	59	End	413
GI	none	Score	316
Exons	59..130, 305..413		

Seq. No.	19406	Seq. ID	OJ990616_05.9A27.C63
Gene No.	40503	Strand	-
Start	1	End	578
Name	OJ990616_05.9A27.C63.o1.gs	Method	GENSCAN
Start	305	End	568
GI	none	Score	.52
Exons	305..568		

Seq. No.	19407	Seq. ID	OJ990616_05.9A27.C65

Gene No.	40504	Strand	-
Start	1	End	744
Name	OJ990616_05.9A27.C65.o1.np	Method	AAT/NAP
Start	1	End	744
GI	6539555	Score	879
Exons	1..744		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	19408	Seq. ID	OJ990716_08.9A20.C2
Gene No.	40505	Strand	+
Start	612	End	838
Name	OJ990716_08.9A20.C2.o1.gs	Method	GENSCAN
Start	612	End	838
GI	none	Score	.71
Exons	612..614, 647..838		

Seq. No.	19409	Seq. ID	OJ990716_08.9A20.C5
Gene No.	40506	Strand	+
Start	5368	End	9713
Name	OJ990716_08.9A20.C5.o5.np	Method	AAT/NAP
Start	5353	End	9713
GI	4468812	Score	774
Exons	5353..5484, 5584..5693, 7138..7796, 7956..8031, 8114..8215, 8291..8371, 8472..8538, 8675..8775, 9128..9235, 9391..9462, 9556..9713		
GI Descrip.	(AL035601) putative protein [Arabidopsis thaliana]		

Seq. No.	19409	Seq. ID	OJ990716_08.9A20.C5
Gene No.	40506	Strand	+
Start	5368	End	9713
Name	OJ990716_08.9A20.C5.o2.gs	Method	GENSCAN
Start	5368	End	9461
GI	none	Score	.71
Exons	5368..5484, 5609..5693, 7138..7733, 8114..8215, 8472..8538, 8675..8775, 9128..9235, 9391..9461		

Seq. No.	19409	Seq. ID	OJ990716_08.9A20.C5
Gene No.	40507	Strand	-
Start	1	End	4092
Name	OJ990716_08.9A20.C5.o1.np	Method	AAT/NAP
Start	1	End	1555
GI	6815109	Score	185
Exons	1..74, 187..372, 1526..1555		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19409	Seq. ID	OJ990716_08.9A20.C5
Gene No.	40507	Strand	-
Start	1	End	4092
Name	OJ990716_08.9A20.C5.o2.np	Method	AAT/NAP
Start	1	End	4092
GI	5042454	Score	232
Exons	1..153, 1431..1583, 1855..2334, 4062..4092		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19409	Seq. ID	OJ990716_08.9A20.C5

Gene No.	40507	Strand	-
Start	1	End	4092
Name	OJ990716_08.9A20.C5.o3.np	Method	AAT/NAP
Start	942	End	3651
GI	6815109	Score	152
Exons	942..981, 3182..3299, 3484..3651		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19409	Seq. ID	OJ990716_08.9A20.C5
Gene No.	40507	Strand	-
Start	1	End	4092
Name	OJ990716_08.9A20.C5.o4.np	Method	AAT/NAP
Start	1131	End	3654
GI	6815109	Score	144
Exons	1131..1172, 3485..3654		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19409	Seq. ID	OJ990716_08.9A20.C5
Gene No.	40508	Strand	
Start	5327	End	9613
Name	OJ990716_08.9A20.C5.o1.tm	Method	TBLASTX:Maize
Start	5327	End	7376
GI	none	Score	37
Exons	5327..5374, 5358..5441, 5359..5463, 5359..5442, 5446..5481, 5451..5483, 5452..5484, 5578..5634, 5582..5707, 5585..5695, 7135..7353, 7136..7375, 7137..7376		

Seq. No.	19409	Seq. ID	OJ990716_08.9A20.C5
Gene No.	40508	Strand	
Start	5327	End	9613
Name	OJ990716_08.9A20.C5.o1.ts	Method	TBLASTX:Soybean
Start	5588	End	9613
GI	none	Score	65
Exons	5588..5692, 8120..8215, 8128..8211, 8288..8374, 8290..8382, 8469..8540, 8471..8539, 8673..8795, 8674..8775, 9149..9235, 9545..9613		

Seq. No.	19410	Seq. ID	OJ990716_08.9A20.C6
Gene No.	40509	Strand	+
Start	1	End	1743
Name	OJ990716_08.9A20.C6.o1.np	Method	AAT/NAP
Start	1	End	1743
GI	4468812	Score	236
Exons	1..37, 708..816, 1015..1095, 1668..1743		
GI Descrip.	(AL035601) putative protein [Arabidopsis thaliana]		

Seq. No.	19410	Seq. ID	OJ990716_08.9A20.C6
Gene No.	40509	Strand	+
Start	1	End	1743
Name	OJ990716_08.9A20.C6.o1.gs	Method	GENSCAN
Start	708	End	1095
GI	none	Score	.72
Exons	708..816, 1015..1095		

Seq. No.	19411	Seq. ID	OJ990716_08.9A20.C7
Gene No.	40510	Strand	+
Start	1	End	3048

Name	OJ990716_08.9A20.C7.o1.np	Method	AAT/NAP
Start	1	End	1666
GI	4468812	Score	535
Exons	1..70, 488..585, 840..930, 1196..1293, 1381..1666		
GI Descrip.	(AL035601) putative protein [Arabidopsis thaliana]		

Seq. No.	19411	Seq. ID	OJ990716_08.9A20.C7
Gene No.	40510	Strand	+
Start	1	End	3048
Name	OJ990716_08.9A20.C7.o1.gp	Method	AAT/GAP
Start	487	End	1531
GI	LIB3599-001-P1-K6-H3	Score	827
Exons	487..585, 722..760, 840..930, 1196..1293, 1381..1531		
GI Descrip.	'4468812/emb|CAB38213| 5.0e-38 (AL035601) putative protein [Arabidopsis thaliana]'		

Seq. No.	19411	Seq. ID	OJ990716_08.9A20.C7
Gene No.	40510	Strand	+
Start	1	End	3048
Name	OJ990716_08.9A20.C7.o1.ts	Method	TBLASTX:Soybean
Start	491	End	1651
GI	none	Score	96
Exons	491..586, 835..930, 837..929, 858..1001, 1193..1297, 1237..1296, 1355..1645, 1372..1512, 1380..1598, 1381..1650, 1382..1651		

Seq. No.	19411	Seq. ID	OJ990716_08.9A20.C7
Gene No.	40510	Strand	+
Start	1	End	3048
Name	OJ990716_08.9A20.C7.o1.gs	Method	GENSCAN
Start	494	End	1669
GI	none	Score	.64
Exons	494..536, 722..760, 840..930, 1196..1277, 1350..1669		

Seq. No.	19411	Seq. ID	OJ990716_08.9A20.C7
Gene No.	40510	Strand	+
Start	1	End	3048
Name	OJ990716_08.9A20.C7.o2.np	Method	AAT/NAP
Start	790	End	3048
GI	3044086	Score	90
Exons	790..820, 2540..3048		
GI Descrip.	(AF055904) unknown [Myxococcus xanthus]		

Seq. No.	19411	Seq. ID	OJ990716_08.9A20.C7
Gene No.	40510	Strand	+
Start	1	End	3048
Name	OJ990716_08.9A20.C7.o1.tm	Method	TBLASTX:Maize
Start	1193	End	1509
GI	none	Score	172
Exons	1193..1297, 1194..1295, 1195..1296, 1367..1399, 1381..1407, 1382..1405, 1438..1509, 1457..1507		

Seq. No.	19411	Seq. ID	OJ990716_08.9A20.C7
Gene No.	40510	Strand	+
Start	1	End	3048
Name	OJ990716_08.9A20.C7.o2.gs	Method	GENSCAN
Start	2485	End	3024
GI	none	Score	.84

Exons	2485..3024		
Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40511	Strand	+
Start	112	End	6114
Name	OJ990716_08.9A20.C8.o1.gs	Method	GENSCAN
Start	112	End	6114
GI	none	Score	.64
Exons	112..237, 2398..2747, 3328..3405, 4814..4911, 6017..6114		
Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40512	Strand	-
Start	5225	End	5494
Name	OJ990716_08.9A20.C8.o1.gp	Method	AAT/GAP
Start	5225	End	5494
GI	none	Score	443
Exons	5225..5494		
Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o1.tc	Method	TBLASTX:Cress
Start	7472	End	7999
GI	none	Score	186
Exons	7472..7999, 7473..7694, 7475..7837, 7794..7976		
Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o2.ts	Method	TBLASTX:Soybean
Start	7475	End	7705
GI	none	Score	76
Exons	7475..7639, 7475..7705, 7485..7691		
Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o2.gs	Method	GENSCAN
Start	7484	End	9387
GI	none	Score	.84
Exons	7484..8991, 9015..9168, 9187..9387		
Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o2.tm	Method	TBLASTX:Maize
Start	7484	End	7774
GI	none	Score	116
Exons	7484..7774, 7485..7694		
Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o1.np	Method	AAT/NAP
Start	7487	End	9369
GI	4468804	Score	1546
Exons	7487..9369		

GI Descrip. (AL035601) putative protein [Arabidopsis thaliana]

Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o1.tm	Method	TBLASTX:Maize
Start	7699	End	8956
GI	none	Score	35
Exons	7699..7734, 7787..8485, 7809..7994, 8172..8480, 8237..8404, 8291..8485, 8327..8485, 8337..8486, 8426..8791, 8603..8815, 8621..8797, 8735..8956, 8827..8907		

Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o1.ts	Method	TBLASTX:Soybean
Start	7706	End	8245
GI	none	Score	79
Exons	7706..8245, 7809..7997		

Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o1.tw	Method	TBLASTX:Wheat
Start	8178	End	8956
GI	none	Score	161
Exons	8178..8492, 8180..8518, 8243..8356, 8525..8656, 8535..8621, 8546..8806, 8726..8956		

Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o2.tc	Method	TBLASTX:Cress
Start	8201	End	8956
GI	none	Score	83
Exons	8201..8308, 8243..8452, 8318..8506, 8327..8482, 8336..8482, 8364..8492, 8531..8956, 8549..8626, 8594..8737, 8624..8797, 8633..8794, 8726..8956		

Seq. No.	19412	Seq. ID	OJ990716_08.9A20.C8
Gene No.	40513	Strand	-
Start	7484	End	9387
Name	OJ990716_08.9A20.C8.o3.ts	Method	TBLASTX:Soybean
Start	8258	End	8950
GI	none	Score	87
Exons	8258..8464, 8384..8494, 8528..8764, 8528..8770, 8690..8791, 8783..8950		

Seq. No.	19413	Seq. ID	OJ990716_08.9A20.C9
Gene No.	40514	Strand	+
Start	7038	End	10268
Name	OJ990716_08.9A20.C9.o1.np	Method	AAT/NAP
Start	7038	End	10268
GI	5042463	Score	202
Exons	7038..7216, 7940..8096, 8143..8230, 10204..10268		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	19413	Seq. ID	OJ990716_08.9A20.C9
Gene No.	40515	Strand	+
Start	12182	End	21129
Name	OJ990716_08.9A20.C9.o1.gp	Method	AAT/GAP
Start	12182	End	15295
GI	1632031	Score	590
Exons	12182..12324, 14995..15108, 15193..15295		

Seq. No.	19413	Seq. ID	OJ990716_08.9A20.C9
Gene No.	40515	Strand	+
Start	12182	End	21129
Name	OJ990716_08.9A20.C9.o3.gs	Method	GENSCAN
Start	14126	End	20054
GI	none	Score	.79
Exons	14126..14274, 14931..15107, 15193..15327, 18609..19257, 19556..19762, 19971..20054		

Seq. No.	19413	Seq. ID	OJ990716_08.9A20.C9
Gene No.	40515	Strand	+
Start	12182	End	21129
Name	OJ990716_08.9A20.C9.o3.np	Method	AAT/NAP
Start	15949	End	21129
GI	6650526	Score	123
Exons	15949..15972, 19095..19257, 19556..19762, 21111..21129		
GI Descrip.	(AF101045) putative transcription factor X1 [Oryza sativa subsp. japonica]		

Seq. No.	19413	Seq. ID	OJ990716_08.9A20.C9
Gene No.	40516	Strand	-
Start	453	End	2630
Name	OJ990716_08.9A20.C9.o1.gs	Method	GENSCAN
Start	453	End	2630
GI	none	Score	.77
Exons	453..536, 1531..1674, 2493..2630		

Seq. No.	19413	Seq. ID	OJ990716_08.9A20.C9
Gene No.	40517	Strand	-
Start	3423	End	15098
Name	OJ990716_08.9A20.C9.o2.gs	Method	GENSCAN
Start	3423	End	12341
GI	none	Score	.49
Exons	3423..3514, 3825..3970, 5474..5591, 6232..6373, 6676..6842, 7360..7505, 8014..8128, 8526..8560, 8742..8888, 9401..9530, 9811..9929, 11613..11734, 11882..12006, 12012..12045, 12180..12341		

Seq. No.	19413	Seq. ID	OJ990716_08.9A20.C9
Gene No.	40517	Strand	-
Start	3423	End	15098
Name	OJ990716_08.9A20.C9.o2.np	Method	AAT/NAP
Start	11169	End	15098
GI	4874285	Score	159
Exons	11169..11224, 13376..13752, 13855..13953, 14005..14047, 14888..15098		
GI Descrip.	(AC007212) putative phosphatidylinositol/phophatidylcholine transfer protein [Arabidopsis thaliana]		

Seq. No.	19413	Seq. ID	OJ990716_08.9A20.C9
Gene No.	40518	Strand	-
Start	20282	End	20971
Name	OJ990716_08.9A20.C9.o4.gs	Method	GENSCAN
Start	20282	End	20971
GI	none	Score	.43
Exons	20282..20300, 20391..20471, 20552..20631, 20718..20971		

Seq. No.	19414	Seq. ID	OJ990716_08.9A20.C10
Gene No.	40519	Strand	+
Start	114	End	667
Name	OJ990716_08.9A20.C10.o1.gp	Method	AAT/GAP
Start	114	End	667
GI	21286_1.R1084	Score	288
Exons	114..145, 412..535, 625..667		
GI Descrip.	'3789948 8.0e-74 (AF094773) translation initiation factor 5A [Oryza sativa]'		

Seq. No.	19414	Seq. ID	OJ990716_08.9A20.C10
Gene No.	40519	Strand	+
Start	114	End	667
Name	OJ990716_08.9A20.C10.o1.ts	Method	TBLASTX:Soybean
Start	397	End	666
GI	none	Score	40
Exons	397..537, 414..443, 434..547, 434..550, 442..555, 625..666		

Seq. No.	19414	Seq. ID	OJ990716_08.9A20.C10
Gene No.	40519	Strand	+
Start	114	End	667
Name	OJ990716_08.9A20.C10.o1.np	Method	AAT/NAP
Start	412	End	667
GI	6752917	Score	218
Exons	412..535, 625..667		
GI Descrip.	(AF225297) translation initiation factor 5A [Euphorbia esula]		

Seq. No.	19414	Seq. ID	OJ990716_08.9A20.C10
Gene No.	40519	Strand	+
Start	114	End	667
Name	OJ990716_08.9A20.C10.o1.tc	Method	TBLASTX:Cress
Start	413	End	666
GI	none	Score	40
Exons	413..445, 414..443, 434..538, 437..535, 439..537, 598..666, 616..666		

Seq. No.	19414	Seq. ID	OJ990716_08.9A20.C10
Gene No.	40519	Strand	+
Start	114	End	667
Name	OJ990716_08.9A20.C10.o1.tm	Method	TBLASTX:Maize
Start	413	End	666
GI	none	Score	40
Exons	413..445, 414..443, 434..541, 434..538, 439..540, 622..666, 625..666		

Seq. No.	19414	Seq. ID	OJ990716_08.9A20.C10
Gene No.	40519	Strand	+
Start	114	End	667
Name	OJ990716_08.9A20.C10.o1.tw	Method	TBLASTX:Wheat

Start	413	End	666
GI	none	Score	40
Exons	413..442, 414..443, 430..537, 434..565, 434..535, 438..536, 439..537, 625..666, 631..663		

Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40520	Strand	+
Start	416	End	830
Name	OJ990716_08.9A20.C11.o1.gs	Method	GENSCAN
Start	416	End	829
GI	none	Score	.71
Exons	416..829		

Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40520	Strand	+
Start	416	End	830
Name	OJ990716_08.9A20.C11.o1.gp	Method	AAT/GAP
Start	429	End	830
GI	60633_1.R1084	Score	800
Exons	429..830		
GI Descrip.	'4335754/gb|AAD17431| 8.0e-30 (AC006284) putative acid phophatase (contains metallo-phosphoesterase motif, prosite: QDOC50185) [Arabidopsis thaliana]'		

Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40521	Strand	+
Start	2555	End	4891
Name	OJ990716_08.9A20.C11.o2.np	Method	AAT/NAP
Start	2546	End	4891
GI	5454198	Score	858
Exons	2546..3883, 4832..4891		
GI Descrip.	(AC005698) T3P18.12 [Arabidopsis thaliana]		

Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40521	Strand	+
Start	2555	End	4891
Name	OJ990716_08.9A20.C11.o2.gs	Method	GENSCAN
Start	2555	End	3931
GI	none	Score	.52
Exons	2555..3931		

Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40521	Strand	+
Start	2555	End	4891
Name	OJ990716_08.9A20.C11.o2.gp	Method	AAT/GAP
Start	2623	End	2891
GI	uC-osroM202028e12a1	Score	360
Exons	2623..2891		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 1.0e-43 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o3.tm	Method	TBLASTX:Maize
Start	382	End	637

GI	none	Score	410
Exons	382..423, 383..637, 387..626, 496..636		
Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o3.ts	Method	TBLASTX:Soybean
Start	388	End	528
GI	none	Score	198
Exons	388..528, 389..526, 396..527, 397..528		
Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o4.tm	Method	TBLASTX:Maize
Start	638	End	846
GI	none	Score	97
Exons	638..832, 639..821, 640..846, 641..829		
Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o2.tm	Method	TBLASTX:Maize
Start	2570	End	2968
GI	none	Score	423
Exons	2570..2968, 2573..2695, 2674..2967		
Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o1.ts	Method	TBLASTX:Soybean
Start	2573	End	3355
GI	none	Score	81
Exons	2573..2692, 2651..2731, 2680..2736, 2740..2817, 2741..2815, 2833..2940, 2834..2941, 2981..3031, 3014..3259, 3055..3120, 3253..3354, 3272..3355		
Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o1.tm	Method	TBLASTX:Maize
Start	3026	End	3877
GI	none	Score	222
Exons	3026..3259, 3038..3238, 3305..3877, 3346..3705		
Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o1.tc	Method	TBLASTX:Cress
Start	3248	End	3549
GI	none	Score	238
Exons	3248..3547, 3349..3549		
Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o2.ts	Method	TBLASTX:Soybean

Start	3358	End	3856
GI	none	Score	383
Exons	3358..3696, 3359..3715, 3758..3856		

Seq. No.	19415	Seq. ID	OJ990716_08.9A20.C11
Gene No.	40522	Strand	-
Start	3777	End	4113
Name	OJ990716_08.9A20.C11.o3.gp	Method	AAT/GAP
Start	3777	End	4113
GI	uC-osroM202028e12b1	Score	662
Exons	3777..4113		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 7.0e-21 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	19416	Seq. ID	OJ990716_08.9A20.C12
Gene No.	40523	Strand	+
Start	841	End	1573
Name	OJ990716_08.9A20.C12.o1.gs	Method	GENSCAN
Start	841	End	1573
GI	none	Score	.81
Exons	841..977, 1400..1573		

Seq. No.	19416	Seq. ID	OJ990716_08.9A20.C12
Gene No.	40524	Strand	+
Start	5529	End	5944
Name	OJ990716_08.9A20.C12.o3.gs	Method	GENSCAN
Start	5529	End	5933
GI	none	Score	.91
Exons	5529..5933		

Seq. No.	19416	Seq. ID	OJ990716_08.9A20.C12
Gene No.	40524	Strand	+
Start	5529	End	5944
Name	OJ990716_08.9A20.C12.o1.np	Method	AAT/NAP
Start	5541	End	5944
GI	5454199	Score	247
Exons	5541..5944		
GI Descrip.	(AC005698) T3P18.13 [Arabidopsis thaliana]		

Seq. No.	19416	Seq. ID	OJ990716_08.9A20.C12
Gene No.	40525	Strand	-
Start	4269	End	4784
Name	OJ990716_08.9A20.C12.o2.gs	Method	GENSCAN
Start	4269	End	4784
GI	none	Score	.84
Exons	4269..4370, 4401..4520, 4782..4784		

Seq. No.	19416	Seq. ID	OJ990716_08.9A20.C12
Gene No.	40526	Strand	
Start	5565	End	5944
Name	OJ990716_08.9A20.C12.o1.ts	Method	TBLASTX:Soybean
Start	5565	End	5936
GI	none	Score	84
Exons	5565..5687, 5646..5726, 5684..5731, 5735..5812, 5736..5810, 5828..5935, 5829..5936		

Seq. No.	19416	Seq. ID	OJ990716_08.9A20.C12
Gene No.	40526	Strand	
Start	5565	End	5944
Name	OJ990716_08.9A20.C12.o1.tm	Method	TBLASTX:Maize
Start	5571	End	5944
GI	none	Score	412
Exons	5571..5942, 5571..5690, 5681..5944, 5882..5944		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40527	Strand	+
Start	43	End	192
Name	OJ990716_08.9A20.C13.o1.gs	Method	GENSCAN
Start	43	End	192
GI	none	Score	.99
Exons	43..192		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40528	Strand	+
Start	3090	End	4496
Name	OJ990716_08.9A20.C13.o1.np	Method	AAT/NAP
Start	3072	End	4477
GI	5454198	Score	802
Exons	3072..4477		
GI Descrip.	(AC005698) T3P18.12 [Arabidopsis thaliana]		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40528	Strand	+
Start	3090	End	4496
Name	OJ990716_08.9A20.C13.o3.gs	Method	GENSCAN
Start	3090	End	4496
GI	none	Score	1
Exons	3090..4496		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40529	Strand	+
Start	11060	End	13859
Name	OJ990716_08.9A20.C13.o4.gs	Method	GENSCAN
Start	11060	End	12811
GI	none	Score	.81
Exons	11060..11676, 11808..12423, 12527..12811		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40529	Strand	+
Start	11060	End	13859
Name	OJ990716_08.9A20.C13.o2.np	Method	AAT/NAP
Start	11065	End	13859
GI	5454198	Score	774
Exons	11065..11485, 11542..11743, 11860..12423, 12530..12662, 13777..13859		
GI Descrip.	(AC005698) T3P18.12 [Arabidopsis thaliana]		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40530	Strand	-
Start	901	End	1758
Name	OJ990716_08.9A20.C13.o2.gs	Method	GENSCAN
Start	901	End	1758
GI	none	Score	.41

Exons	901..906, 1101..1358, 1684..1758		
Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40531	Strand	-
Start	13653	End	14319
Name	OJ990716_08.9A20.C13.o5.gs	Method	GENSCAN
Start	13653	End	14319
GI	none	Score	.73
Exons	13653..14120, 14200..14319		
Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o2.tm	Method	TBLASTX:Maize
Start	3090	End	11515
GI	none	Score	361
Exons	3090..3359, 3090..3221, 3212..3358, 3368..3508, 3372..3509, 11102..11221, 11104..11262, 11177..11239, 11248..11340, 11276..11353, 11408..11473, 11425..11457, 11468..11512, 11474..11515		
Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o2.ts	Method	TBLASTX:Soybean
Start	3102	End	12036
GI	none	Score	173
Exons	3102..3257, 3102..3218, 3215..3256, 3266..3343, 3267..3365, 3543..3800, 3599..3724, 3825..3887, 11176..11247, 11177..11242, 11267..11350, 11272..11340, 11401..11457, 11408..11473, 11530..11562, 11531..11566, 11567..11749, 11635..11742, 11887..11952, 11977..12036		
Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o2.tc	Method	TBLASTX:Cress
Start	3108	End	11629
GI	none	Score	125
Exons	3108..3224, 3267..3341, 3381..3500, 3567..3593, 11090..11224, 11240..11350, 11408..11467, 11579..11629		
Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o1.tm	Method	TBLASTX:Maize
Start	3567	End	12604
GI	none	Score	214
Exons	3567..3800, 3614..3808, 3846..4268, 3848..4246, 4272..4412, 11600..11749, 11600..11746, 11635..11757, 11886..11966, 11998..12417, 12031..12171, 12039..12398, 12527..12604		
Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o1.ts	Method	TBLASTX:Soybean
Start	3890	End	12405

GI	none	Score	337
Exons	3890..4237, 3891..4265, 4296..4394, 12042..12230, 12043..12405, 12264..12383		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o1.tc	Method	TBLASTX:Cress
Start	3969	End	12417
GI	none	Score	163
Exons	3969..4085, 3971..4084, 4047..4247, 4088..4180, 12121..12237, 12123..12236, 12237..12395, 12262..12417		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o3.tm	Method	TBLASTX:Maize
Start	13713	End	16013
GI	none	Score	67
Exons	13713..13814, 13723..13851, 13872..13994, 13881..14006, 14037..14138, 14041..14082, 15617..15760, 15779..16012, 15858..16013		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o3.np	Method	AAT/NAP
Start	15617	End	16875
GI	3298537	Score	193
Exons	15617..16188, 16787..16875		
GI Descrip.	(AC004681) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19417	Seq. ID	OJ990716_08.9A20.C13
Gene No.	40532	Strand	-
Start	15620	End	16875
Name	OJ990716_08.9A20.C13.o6.gs	Method	GENSCAN
Start	15620	End	16288
GI	none	Score	.94
Exons	15620..15970, 15980..16288		

Seq. No.	19418	Seq. ID	OJ990716_08.9A20.C14
Gene No.	40533	Strand	+
Start	1362	End	2240
Name	OJ990716_08.9A20.C14.o1.np	Method	AAT/NAP
Start	1362	End	2240
GI	2924449	Score	182
Exons	1362..2240		
GI Descrip.	(AL022022) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	19418	Seq. ID	OJ990716_08.9A20.C14
Gene No.	40534	Strand	-
Start	715	End	2205
Name	OJ990716_08.9A20.C14.o1.gs	Method	GENSCAN
Start	715	End	2205
GI	none	Score	.99
Exons	715..2205		

Seq. No.	19418	Seq. ID	OJ990716_08.9A20.C14
Gene No.	40535	Strand	-
Start	4879	End	5329
Name	OJ990716_08.9A20.C14.o1.tm	Method	TBLASTX:Maize
Start	1573	End	1968
GI	none	Score	92
Exons	1573..1689, 1582..1671, 1744..1968, 1745..1954		

Seq. No.	19418	Seq. ID	OJ990716_08.9A20.C14
Gene No.	40535	Strand	-
Start	4879	End	5329
Name	OJ990716_08.9A20.C14.o1.ts	Method	TBLASTX:Soybean
Start	1591	End	1954
GI	none	Score	60
Exons	1591..1689, 1597..1689, 1744..1953, 1745..1954		

Seq. No.	19418	Seq. ID	OJ990716_08.9A20.C14
Gene No.	40535	Strand	-
Start	4879	End	5329
Name	OJ990716_08.9A20.C14.o2.gs	Method	GENSCAN
Start	4879	End	5329
GI	none	Score	.58
Exons	4879..5067, 5090..5329		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40536	Strand	+
Start	324	End	560
Name	OJ990716_08.9A20.C15.o1.gs	Method	GENSCAN
Start	324	End	560
GI	none	Score	.94
Exons	324..560		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40537	Strand	+
Start	4836	End	6997
Name	OJ990716_08.9A20.C15.o3.gp	Method	AAT/GAP
Start	4801	End	6997
GI	21286_1.R1084	Score	1283
Exons	4801..4961, 6047..6169, 6259..6315, 6410..6484, 6718..6997		
GI Descrip.	'3789948 8.0e-74 (AF094773) translation initiation factor 5A [Oryza sativa]'		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40537	Strand	+
Start	4836	End	6997
Name	OJ990716_08.9A20.C15.o3.gs	Method	GENSCAN
Start	4836	End	6825
GI	none	Score	.83
Exons	4836..4961, 6259..6315, 6410..6518, 6626..6825		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40537	Strand	+
Start	4836	End	6997
Name	OJ990716_08.9A20.C15.o2.np	Method	AAT/NAP
Start	4839	End	6822
GI	3024019	Score	626
Exons	4839..4961, 6047..6169, 6259..6315, 6410..6484, 6718..6822		

GI Descrip. INITIATION FACTOR 5A (EIF-5A) (EIF-4D) gi|2225879|dbj|BAA20876| (AB004823) eukaryotic initiation factor 5A2 [Solanum tuberosum] gi|2225887|dbj|BAA20880| (AB004827) eukaryotic initiation factor 5A1 [Solanum tuberosum]

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40538	Strand	+
Start	11391	End	13252
Name	OJ990716_08.9A20.C15.o5.gs	Method	GENSCAN
Start	11391	End	13222
GI	none	Score	.66
Exons	11391..11490, 12135..12242, 12836..13222		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40538	Strand	+
Start	11391	End	13252
Name	OJ990716_08.9A20.C15.o4.np	Method	AAT/NAP
Start	11412	End	13252
GI	6815072	Score	266
Exons	11412..11442, 12686..13060, 13169..13252		

GI Descrip. (AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40539	Strand	-
Start	1706	End	2451
Name	OJ990716_08.9A20.C15.o2.gs	Method	GENSCAN
Start	1706	End	2330
GI	none	Score	.68
Exons	1706..2076, 2162..2330		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40539	Strand	-
Start	1706	End	2451
Name	OJ990716_08.9A20.C15.o2.gp	Method	AAT/GAP
Start	1909	End	2451
GI	20976_1.R1084	Score	832
Exons	1909..2073, 2162..2451		

GI Descrip. '1262756/emb|CAA65749| 3.0e-11 (X97022) lamin [Brassica oleracea]'

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o1.tm	Method	TBLASTX:Maize
Start	1919	End	2259
GI	none	Score	87
Exons	1919..2074, 2022..2069, 2149..2259, 2163..2258		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o1.tw	Method	TBLASTX:Wheat
Start	4814	End	6810
GI	none	Score	204
Exons	4814..4993, 4833..4973, 6044..6169, 6045..6170, 6045..6170, 6046..6171, 6047..6199, 6249..6317, 6259..6318, 6407..6490,		

6412..6489, 6414..6497, 6735..6809, 6739..6810

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o1.tc	Method	TBLASTX:Cress
Start	4832	End	6819
GI	none	Score	179
Exons	4832..4876, 4845..4973, 4874..4990, 6044..6169, 6045..6167, 6046..6171, 6047..6181, 6256..6312, 6259..6318, 6260..6322, 6261..6323, 6735..6818, 6736..6819		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o3.tm	Method	TBLASTX:Maize
Start	4832	End	6487
GI	none	Score	213
Exons	4832..4990, 4836..4973, 6044..6172, 6045..6173, 6046..6174, 6047..6175, 6055..6177, 6248..6316, 6249..6317, 6256..6318, 6259..6318, 6410..6487		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o1.ts	Method	TBLASTX:Soybean
Start	4835	End	6825
GI	none	Score	201
Exons	4835..4978, 4848..4973, 6046..6171, 6047..6181, 6055..6189, 6249..6317, 6259..6318, 6410..6436, 6411..6467, 6738..6824, 6739..6825, 6739..6825		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o4.gs	Method	GENSCAN
Start	8573	End	10658
GI	none	Score	.72
Exons	8573..8589, 8621..8858, 10096..10286, 10634..10658		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o2.tw	Method	TBLASTX:Wheat
Start	8600	End	8828
GI	none	Score	141
Exons	8600..8815, 8626..8787, 8643..8816, 8802..8828		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o4.tm	Method	TBLASTX:Maize
Start	8601	End	8843
GI	none	Score	124
Exons	8601..8843, 8650..8787		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15

Gene No.	40540	Strand	-
Start	8573	End	11523
Name	OJ990716_08.9A20.C15.o3.np	Method	AAT/NAP
Start	8636	End	11523
GI	6650526	Score	213
Exons	8636..8858, 11495..11523		
GI Descrip.	(AF101045) putative transcription factor X1 [Oryza sativa subsp. japonica]		

Seq. No.	19419	Seq. ID	OJ990716_08.9A20.C15
Gene No.	40541	Strand	
Start	12796	End	13251
Name	OJ990716_08.9A20.C15.o2.tm	Method	TBLASTX:Maize
Start	12796	End	13251
GI	none	Score	81
Exons	12796..12855, 12865..13251		

Seq. No.	19420	Seq. ID	OJ990716_08.9A20.C18
Gene No.	40542	Strand	-
Start	1	End	518
Name	OJ990716_08.9A20.C18.o1.np	Method	AAT/NAP
Start	1	End	518
GI	6815109	Score	146
Exons	1..275, 371..518		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19420	Seq. ID	OJ990716_08.9A20.C18
Gene No.	40542	Strand	-
Start	1	End	518
Name	OJ990716_08.9A20.C18.o1.gs	Method	GENSCAN
Start	61	End	67
GI	none	Score	.49
Exons	61..67		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40543	Strand	+
Start	132	End	6077
Name	OJ990716_01.9A11.C1.o1.gs	Method	GENSCAN
Start	132	End	6077
GI	none	Score	.95
Exons	132..1067, 1214..1570, 1854..2091, 2679..5245, 5327..5451, 5632..5910, 5948..6077		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40543	Strand	+
Start	132	End	6077
Name	OJ990716_01.9A11.C1.o1.gp	Method	AAT/GAP
Start	4170	End	4634
GI	none	Score	918
Exons	4170..4634		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40544	Strand	+
Start	6504	End	9993
Name	OJ990716_01.9A11.C1.o1.np	Method	AAT/NAP
Start	6504	End	9725
GI	6730739	Score	836

Exons	6504..6587, 6939..7149, 7554..7619, 7802..7982, 8090..8286, 8445..8495, 8577..8672, 8789..8897, 9112..9197, 9317..9421, 9591..9725		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40544	Strand	+
Start	6504	End	9993
Name	OJ990716_01.9A11.C1.o2.gp	Method	AAT/GAP
Start	6864	End	7871
GI	uC-osrocyp027d02b1	Score	792
Exons	6864..7149, 7554..7619, 7802..7871		
GI Descrip.	'629206/pir||JC2313 2.0e-11 nitrile hydratase (EC 4.2.1.84) beta chain - Rhodococcus sp >gi_1311476_dbj_BAA06274_ (D30033) ORF1188 [Rhodococcus sp.] >gi_4126499_dbj_BAA36599.1_ (AB016078) nitrile hydratase activator [Rhodococcus sp. N-771] >gi_1091876_prf__2022176A nitrile hydratase downstream ORF 1188 [Rhodococcus sp.]'		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40544	Strand	+
Start	6504	End	9993
Name	OJ990716_01.9A11.C1.o2.gs	Method	GENSCAN
Start	6898	End	9728
GI	none	Score	.84
Exons	6898..7149, 7587..7619, 7802..7982, 8090..8286, 8445..8495, 8577..8668, 8779..8846, 9112..9197, 9317..9421, 9591..9728		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40544	Strand	+
Start	6504	End	9993
Name	OJ990716_01.9A11.C1.o3.gp	Method	AAT/GAP
Start	8247	End	9993
GI	28743_1.R1084	Score	1558
Exons	8247..8286, 8445..8495, 8577..8668, 8779..8846, 9112..9197, 9317..9421, 9591..9993		
GI Descrip.	'732080/sp|P24203|YJIA_ECOLI 4.0e-11 HYPOTHETICAL 32.0 KD PROTEIN IN MRR-TSR INTERGENIC REGION (F284) >gi_1361266_pir__S56578 yjiA protein - Escherichia coli >gi_537194 (U14003) yjiA gene product [Escherichia coli] >gi_1790812 (AE000506) orf, hypothetical protein [Escherichia coli]'		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o3.ts	Method	TBLASTX:Soybean
Start	621	End	962
GI	none	Score	47
Exons	621..665, 708..962, 710..961, 735..962		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o2.tc	Method	TBLASTX:Cress
Start	7551	End	8208
GI	none	Score	101

Exons	7551..7619, 7799..7909, 7801..7983, 7802..7984, 8065..8208, 8088..8207		
Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o3.tm	Method	TBLASTX:Maize
Start	7801	End	8672
GI	none	Score	194
Exons	7801..7983, 7802..7984, 8065..8289, 8088..8285, 8151..8297, 8580..8672		
Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o2.ts	Method	TBLASTX:Soybean
Start	7891	End	8261
GI	none	Score	85
Exons	7891..7983, 7892..7984, 8065..8259, 8088..8261, 8088..8228, 8120..8257		
Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o1.tm	Method	TBLASTX:Maize
Start	10967	End	12801
GI	none	Score	47
Exons	10967..11026, 10989..11027, 11040..11129, 11041..11130, 11216..11308, 11217..11315, 11271..11441, 11303..11434, 11435..11485, 11439..11489, 11604..11894, 11613..11894, 11971..12570, 11984..12571, 11994..12572, 12610..12798, 12644..12799, 12658..12801, 12660..12800		
Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o2.np	Method	AAT/NAP
Start	10990	End	12802
GI	3668118	Score	1507
Exons	10990..11083, 11217..11489, 11616..11885, 11981..12571, 12662..12802		
GI Descrip.	(AJ224078) hypothetical protein [Brassica napus]		
Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o4.gs	Method	GENSCAN
Start	11185	End	16098
GI	none	Score	.64
Exons	11185..11196, 11217..11489, 11616..11885, 11981..12571, 13675..13793, 13894..14063, 14065..14185, 14307..14358, 15005..15084, 15632..15707, 15766..15849, 15953..16098		
Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o4.tc	Method	TBLASTX:Cress

Start	11219	End	11420
GI	none	Score	101
Exons	11219..11299, 11220..11309, 11289..11420, 11312..11410		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o5.ts	Method	TBLASTX:Soybean
Start	11731	End	11894
GI	none	Score	199
Exons	11731..11817, 11733..11894, 11804..11893		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o1.ts	Method	TBLASTX:Soybean
Start	12017	End	12721
GI	none	Score	183
Exons	12017..12214, 12017..12214, 12265..12555, 12266..12562, 12416..12466, 12473..12556, 12644..12715, 12674..12721		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o4.gp	Method	AAT/GAP
Start	12118	End	12516
GI	21716_1.R1084	Score	763
Exons	12118..12516		
GI Descrip.	'4490293/emb|CAB38784.1| 1.0e-61 (AL035678) WD-repeat protein-like protein [Arabidopsis thaliana]'		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o1.tc	Method	TBLASTX:Cress
Start	12443	End	12799
GI	none	Score	209
Exons	12443..12571, 12443..12544, 12466..12567, 12644..12799, 12652..12753		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o5.gp	Method	AAT/GAP
Start	12715	End	13110
GI	none	Score	476
Exons	12715..12819, 12956..13110		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o4.ts	Method	TBLASTX:Soybean
Start	14040	End	16379
GI	none	Score	77
Exons	14040..14186, 14145..14192, 14308..14361, 14308..14361, 15002..15082, 15004..15084, 15517..15594, 15520..15594, 15683..15733, 15763..15849, 15765..15830, 15947..15985,		

15958..15984, 15989..16162, 15991..16101, 16202..16237,
16203..16304, 16287..16331, 16302..16379

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o3.np	Method	AAT/NAP
Start	14145	End	16417
GI	1724114	Score	784
Exons	14145..14185, 14307..14358, 15005..15084, 15516..15594, 15766..15849, 15953..16098, 16205..16417		
GI Descrip.	(U80041) Af10-protein [Avena fatua]		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o2.tm	Method	TBLASTX:Maize
Start	15809	End	16416
GI	none	Score	53
Exons	15809..15853, 15809..15850, 15811..15873, 15947..16099, 15951..16094, 15952..16098, 16014..16100, 16216..16416, 16230..16412, 16321..16413		

Seq. No.	19421	Seq. ID	OJ990716_01.9A11.C1
Gene No.	40545	Strand	+
Start	10990	End	16417
Name	OJ990716_01.9A11.C1.o3.tc	Method	TBLASTX:Cress
Start	15947	End	16412
GI	none	Score	181
Exons	15947..16099, 15961..16104, 15962..16105, 16202..16237, 16203..16241, 16308..16412		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40546	Strand	+
Start	1	End	1736
Name	OJ990716_01.9A11.C2.o1.np	Method	AAT/NAP
Start	1	End	1615
GI	1724114	Score	1004
Exons	1..49, 177..361, 594..1200, 1305..1615		
GI Descrip.	(U80041) Af10-protein [Avena fatua]		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40546	Strand	+
Start	1	End	1736
Name	OJ990716_01.9A11.C2.o1.gp	Method	AAT/GAP
Start	136	End	392
GI	58334_1.R1084	Score	325
Exons	136..392		
GI Descrip.	'1724114 1.0e-17 (U80041) Af10-protein [Avena fatua]'		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40546	Strand	+
Start	1	End	1736
Name	OJ990716_01.9A11.C2.o2.gp	Method	AAT/GAP
Start	1081	End	1736
GI	77066_1.R1084	Score	1051
Exons	1081..1200, 1305..1736		

GI Descrip. '1724114 3.0e-29 (U80041) Af10-protein [Avena fatua]'

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40547	Strand	+
Start	1918	End	2048
Name	OJ990716_01.9A11.C2.o2.np	Method	AAT/NAP
Start	1918	End	2048
GI	5777617	Score	93
Exons	1918..2048		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40548	Strand	+
Start	6527	End	9810
Name	OJ990716_01.9A11.C2.o2.gs	Method	GENSCAN
Start	6527	End	9810
GI	none	Score	.51
Exons	6527..6798, 7420..7475, 7965..8180, 8592..8668, 8948..9020, 9377..9810		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40548	Strand	+
Start	6527	End	9810
Name	OJ990716_01.9A11.C2.o3.gp	Method	AAT/GAP
Start	7836	End	8086
GI	2309755	Score	398
Exons	7836..8086		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40548	Strand	+
Start	6527	End	9810
Name	OJ990716_01.9A11.C2.o3.np	Method	AAT/NAP
Start	7997	End	9550
GI	4455293	Score	263
Exons	7997..8198, 8586..8718, 8798..8899, 9241..9301, 9394..9550		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40549	Strand	-
Start	10302	End	12049
Name	OJ990716_01.9A11.C2.o2.tm	Method	TBLASTX:Maize
Start	164	End	9812
GI	none	Score	78
Exons	164..268, 192..251, 245..364, 248..364, 591..686, 593..685, 596..691, 597..686, 630..872, 663..869, 686..874, 9768..9812		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40549	Strand	-
Start	10302	End	12049
Name	OJ990716_01.9A11.C2.o1.tw	Method	TBLASTX:Wheat
Start	870	End	1196
GI	none	Score	52
Exons	870..899, 875..955, 879..917, 897..953, 919..945, 952..1065, 953..1012, 967..1059, 968..1069, 969..1064, 1001..1114, 1011..1115, 1057..1194, 1062..1196, 1074..1196		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2

Gene No.	40549	Strand	-
Start	10302	End	12049
Name	OJ990716_01.9A11.C2.o1.tm	Method	TBLASTX:Maize
Start	875	End	1506
GI	none	Score	76
Exons	875..988, 879..989, 924..953, 948..1205, 1297..1398, 1307..1501, 1399..1449, 1426..1506	937..1197, 941..1195, 945..1205, 1297..1398, 1298..1399, 1299..1400,	

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40549	Strand	-
Start	10302	End	12049
Name	OJ990716_01.9A11.C2.o2.tw	Method	TBLASTX:Wheat
Start	1310	End	1545
GI	none	Score	110
Exons	1310..1384, 1312..1404, 1313..1408, 1314..1397, 1375..1488, 1378..1488, 1483..1545		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40549	Strand	-
Start	10302	End	12049
Name	OJ990716_01.9A11.C2.o3.tm	Method	TBLASTX:Maize
Start	9391	End	9596
GI	none	Score	249
Exons	9391..9591, 9393..9596		

Seq. No.	19422	Seq. ID	OJ990716_01.9A11.C2
Gene No.	40549	Strand	-
Start	10302	End	12049
Name	OJ990716_01.9A11.C2.o3.gs	Method	GENSCAN
Start	10302	End	12049
GI	none	Score	.68
Exons	10302..10370, 10678..10845, 11032..11202, 11291..11338, 11547..11781, 11994..12049		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40550	Strand	+
Start	20512	End	23240
Name	OJ990716_01.9A11.C3.o7.gs	Method	GENSCAN
Start	20512	End	23240
GI	none	Score	.8
Exons	20512..20624, 21162..21539, 21640..22035, 23135..23240		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40551	Strand	+
Start	36993	End	47517
Name	OJ990716_01.9A11.C3.o10.gs	Method	GENSCAN
Start	36993	End	47517
GI	none	Score	.56
Exons	36993..37281, 37806..37993, 38384..38575, 38935..39075, 39800..39876, 39951..40239, 40338..40568, 41663..41848, 41915..42115, 42485..42520, 44259..44331, 45314..45328, 46132..46381, 46461..46552, 47111..47517		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40552	Strand	+
Start	49151	End	50669

Name	OJ990716_01.9A11.C3.o11.np	Method	AAT/NAP
Start	49151	End	50669
GI	5922623	Score	273
Exons	49151..49231, 49590..49748, 49916..49990, 50648..50669		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40553	Strand	+
Start	50830	End	55184
Name	OJ990716_01.9A11.C3.o12.gs	Method	GENSCAN
Start	50830	End	53167
GI	none	Score	.86
Exons	50830..51156, 51203..52092, 52192..53167		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40553	Strand	+
Start	50830	End	55184
Name	OJ990716_01.9A11.C3.o13.np	Method	AAT/NAP
Start	50830	End	55184
GI	6907089	Score	2983
Exons	50830..52092, 52192..53165, 55051..55184		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40554	Strand	-
Start	415	End	3091
Name	OJ990716_01.9A11.C3.o1.gp	Method	AAT/GAP
Start	415	End	3091
GI	23_1.R1084	Score	2852
Exons	415..862, 965..1453, 2386..2514, 2674..3091		
GI Descrip.	'3218544/dbj|BAA28772| 1.0e-166 (AB004813) alternative oxidase [Oryza sativa] >gi_3218546_dbj_BAA28773_ (AB004864) alternative oxidase [Oryza sativa]'		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40554	Strand	-
Start	415	End	3091
Name	OJ990716_01.9A11.C3.o1.np	Method	AAT/NAP
Start	806	End	2994
GI	3218544	Score	1646
Exons	806..862, 965..1453, 2386..2514, 2674..2994		
GI Descrip.	(AB004813) alternative oxidase [Oryza sativa] gi|3218546|dbj|BAA28773| (AB004864) alternative oxidase [Oryza sativa] gi|6467126|dbj|BAA86963.1| (AB007452) alternative oxidase [Oryza sativa]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40555	Strand	-
Start	4905	End	6274
Name	OJ990716_01.9A11.C3.o2.gp	Method	AAT/GAP
Start	4702	End	6274
GI	23_2.R1084	Score	2648
Exons	4702..4964, 5073..5690, 5802..6274		
GI Descrip.	'3218543/dbj|BAA28771| 0.0e+00 (AB004813) alternative oxidase [Oryza sativa] >gi_3218548_dbj_BAA28774_ (AB004865) alternative		

oxidase [Oryza sativa]'

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40555	Strand	-
Start	4905	End	6274
Name	OJ990716_01.9A11.C3.o3.gs	Method	GENSCAN
Start	4905	End	6131
GI	none	Score	.92
Exons	4905..5690, 5802..6131		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40555	Strand	-
Start	4905	End	6274
Name	OJ990716_01.9A11.C3.o2.np	Method	AAT/NAP
Start	4908	End	6131
GI	3218543	Score	1693
Exons	4908..4964, 5073..5690, 5802..6131		
GI Descrip.	(AB004813) alternative oxidase [Oryza sativa] gi|3218548|dbj|BAA28774| (AB004865) alternative oxidase [Oryza sativa]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40556	Strand	-
Start	7548	End	13561
Name	OJ990716_01.9A11.C3.o4.gs	Method	GENSCAN
Start	7548	End	13561
GI	none	Score	.64
Exons	7548..7593, 8842..8969, 9154..9279, 9777..9907, 10323..10701, 11446..11476, 11640..12097, 12222..12366, 12485..12942, 13472..13561		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40556	Strand	-
Start	7548	End	13561
Name	OJ990716_01.9A11.C3.o3.np	Method	AAT/NAP
Start	8312	End	11096
GI	2828289	Score	330
Exons	8312..8597, 8842..8969, 9154..9279, 9774..9907, 11070..11096		
GI Descrip.	(AL021687) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40556	Strand	-
Start	7548	End	13561
Name	OJ990716_01.9A11.C3.o4.np	Method	AAT/NAP
Start	10319	End	10699
GI	728868	Score	100
Exons	10319..10699		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40556	Strand	-
Start	7548	End	13561
Name	OJ990716_01.9A11.C3.o5.np	Method	AAT/NAP
Start	11711	End	12579

GI	4803940	Score	212
Exons	11711..11896, 12028..12095, 12232..12366, 12485..12579		
GI Descrip.	(AC006264) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40557	Strand	-
Start	15686	End	16271
Name	OJ990716_01.9A11.C3.o5.gs	Method	GENSCAN
Start	15686	End	16271
GI	none	Score	.63
Exons	15686..15753, 16175..16271		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40558	Strand	-
Start	17930	End	19807
Name	OJ990716_01.9A11.C3.o6.gs	Method	GENSCAN
Start	17930	End	19673
GI	none	Score	.54
Exons	17930..17949, 18116..18152, 18430..18541, 18973..19114, 19183..19372, 19611..19673		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40558	Strand	-
Start	17930	End	19807
Name	OJ990716_01.9A11.C3.o6.np	Method	AAT/NAP
Start	19319	End	19807
GI	5042454	Score	250
Exons	19319..19372, 19611..19807		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40559	Strand	-
Start	23624	End	29382
Name	OJ990716_01.9A11.C3.o8.gs	Method	GENSCAN
Start	23624	End	29382
GI	none	Score	.71
Exons	23624..23740, 23818..24072, 24169..24287, 25313..25337, 26097..26168, 26514..26600, 27700..27788, 27879..27957, 28332..28461, 28574..28694, 28849..28956, 29067..29382		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40559	Strand	-
Start	23624	End	29382
Name	OJ990716_01.9A11.C3.o4.gp	Method	AAT/GAP
Start	24915	End	25433
GI	none	Score	804
Exons	24915..25237, 25313..25433		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40559	Strand	-
Start	23624	End	29382
Name	OJ990716_01.9A11.C3.o7.np	Method	AAT/NAP
Start	25365	End	29382
GI	5042433	Score	1607
Exons	25365..25515, 25859..25989, 26097..26168, 26514..26600, 26709..26735, 27007..27099, 27700..27788, 27879..27957, 28332..28461, 28574..28694, 28849..28956, 29067..29382		

GI Descrip. (AC006193) similar to CGI-13 protein [Arabidopsis thaliana]

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40559	Strand	-
Start	23624	End	29382
Name	OJ990716_01.9A11.C3.o5.gp	Method	AAT/GAP
Start	25928	End	27796
GI	LIB3434-012-P1-K1-H2	Score	604
Exons	25928..25989, 26097..26168, 26514..26600, 26709..26735, 27007..27099, 27700..27796		
GI Descrip.	'5042433/gb|AAD38272.1|AC006193_28 5.0e-43 (AC006193) similar to CGI-13 protein [Arabidopsis thaliana]'		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40560	Strand	-
Start	29550	End	36155
Name	OJ990716_01.9A11.C3.o8.np	Method	AAT/NAP
Start	29550	End	34879
GI	4581140	Score	327
Exons	29550..29735, 31331..31499, 33124..33551, 34354..34541, 34644..34879		
GI Descrip.	(AC006919) unknown protein [Arabidopsis thaliana]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40560	Strand	-
Start	29550	End	36155
Name	OJ990716_01.9A11.C3.o9.gs	Method	GENSCAN
Start	31314	End	36155
GI	none	Score	.85
Exons	31314..31752, 33164..33581, 34403..34620, 34709..34763, 35613..35671, 35913..35982, 36113..36155		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40560	Strand	-
Start	29550	End	36155
Name	OJ990716_01.9A11.C3.o6.gp	Method	AAT/GAP
Start	31357	End	31730
GI	569626	Score	725
Exons	31357..31730		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40561	Strand	-
Start	38383	End	39823
Name	OJ990716_01.9A11.C3.o9.np	Method	AAT/NAP
Start	38383	End	39823
GI	6721558	Score	329
Exons	38383..38592, 39807..39823		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40562	Strand	-
Start	46772	End	48621
Name	OJ990716_01.9A11.C3.o10.np	Method	AAT/NAP
Start	46772	End	48621
GI	6907086	Score	1177

Exons	46772..46859, 46899..47148, 47251..47331, 47553..47783, 47844..48621		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40562	Strand	-
Start	46772	End	48621
Name	OJ990716_01.9A11.C3.o11.gs	Method	GENSCAN
Start	47872	End	48471
GI	none	Score	.99
Exons	47872..48318, 48424..48471		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40563	Strand	-
Start	49304	End	52534
Name	OJ990716_01.9A11.C3.o12.np	Method	AAT/NAP
Start	49304	End	52534
GI	5042454	Score	203
Exons	49304..49358, 49573..49745, 50422..50521, 50591..50668, 52275..52534		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o1.tm	Method	TBLASTX:Maize
Start	785	End	5298
GI	none	Score	105
Exons	785..862, 792..869, 795..863, 863..1057, 964..996, 965..1189, 1047..1190, 4905..4964, 4906..4965, 5031..5165, 5058..5297, 5059..5298		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o1.ts	Method	TBLASTX:Soybean
Start	794	End	10678
GI	none	Score	349
Exons	794..862, 965..1456, 1047..1454, 2386..2514, 2390..2530, 2677..2721, 4897..4965, 4902..4964, 5071..5706, 5073..5690, 5805..5873, 5821..5892, 10589..10678		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o1.tc	Method	TBLASTX:Cress
Start	803	End	5885
GI	none	Score	72
Exons	803..862, 804..863, 965..1057, 965..1456, 1047..1454, 2230..2328, 2386..2517, 2387..2515, 2674..2730, 2722..2748, 4903..4950, 4905..4964, 5071..5691, 5073..5693, 5799..5879, 5802..5885		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o1.tw	Method	TBLASTX:Wheat

Start	829	End	23180
GI	none	Score	40
Exons	829..864, 830..862, 965..1057, 965..1096, 1109..1273, 1110..1268, 5059..5205, 5073..5204, 5190..5378, 5218..5379, 23070..23180		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o3.tm	Method	TBLASTX:Maize
Start	1190	End	5535
GI	none	Score	291
Exons	1190..1426, 1194..1427, 5298..5534, 5302..5535		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o8.tm	Method	TBLASTX:Maize
Start	2386	End	5693
GI	none	Score	90
Exons	2386..2511, 2386..2517, 2387..2515, 5535..5693, 5536..5691		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o2.tw	Method	TBLASTX:Wheat
Start	2950	End	22995
GI	none	Score	106
Exons	2950..3039, 5952..6146, 5991..6056, 5992..6192, 22927..22995		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o4.tm	Method	TBLASTX:Maize
Start	8153	End	9192
GI	none	Score	299
Exons	8153..8428, 8175..8570, 8241..8441, 8278..8574, 8472..8561, 8486..8584, 8501..8581, 8838..8969, 8840..8977, 8848..8970, 9119..9190, 9151..9192		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o7.tm	Method	TBLASTX:Maize
Start	9193	End	10576
GI	none	Score	112
Exons	9193..9288, 9194..9280, 9755..9904, 9769..9909, 9774..9911, 10322..10429, 10331..10402, 10550..10576		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o10.tm	Method	TBLASTX:Maize
Start	11395	End	11882
GI	none	Score	108
Exons	11395..11478, 11397..11489, 11399..11491, 11642..11722, 11724..11807, 11726..11806, 11814..11882, 11858..11881		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o6.tm	Method	TBLASTX:Maize
Start	12029	End	12627
GI	none	Score	68
Exons	12029..12100, 12033..12104, 12226..12273, 12228..12272, 12231..12275, 12267..12368, 12268..12369, 12276..12389, 12485..12529, 12505..12603, 12505..12627		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o9.tm	Method	TBLASTX:Maize
Start	25128	End	25450
GI	none	Score	90
Exons	25128..25202, 25144..25209, 25146..25232, 25217..25240, 25322..25450, 25330..25449		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o2.ts	Method	TBLASTX:Soybean
Start	26094	End	29103
GI	none	Score	106
Exons	26094..26177, 26095..26181, 26491..26601, 26514..26603, 26950..27081, 26993..27097, 26993..27097, 27690..27791, 27700..27792, 27842..27985, 27880..27960, 28327..28443, 28332..28457, 28332..28472, 28372..28464, 28565..28696, 28573..28695, 28574..28696, 28576..28707, 28847..28957, 28848..28907, 29059..29103		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o2.tc	Method	TBLASTX:Cress
Start	29068	End	29308
GI	none	Score	90
Exons	29068..29103, 29149..29304, 29165..29308		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o2.tm	Method	TBLASTX:Maize
Start	31314	End	33258
GI	none	Score	55
Exons	31314..31352, 31347..31406, 31351..31428, 31401..31511, 31410..31517, 31417..31518, 31518..31679, 31518..31697, 31660..31755, 31677..31754, 33161..33193, 33184..33258, 33189..33251		

Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o5.tm	Method	TBLASTX:Maize
Start	33412	End	33588

GI	none	Score	229
Exons	33412..33588, 33419..33562		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o3.tc	Method	TBLASTX:Cress
Start	33416	End	33552
GI	none	Score	146
Exons	33416..33550, 33418..33552, 33419..33550		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o3.ts	Method	TBLASTX:Soybean
Start	33417	End	34550
GI	none	Score	69
Exons	33417..33548, 33418..33561, 33419..33565, 34446..34550		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o13.gs	Method	GENSCAN
Start	54852	End	58454
GI	none	Score	.49
Exons	54852..55012, 55267..55464, 55672..55918, 56254..56330, 57015..57054, 57270..57373, 57890..58166, 58245..58324, 58377..58454		
Seq. No.	19423	Seq. ID	OJ990716_01.9A11.C3
Gene No.	40564	Strand	-
Start	54852	End	58454
Name	OJ990716_01.9A11.C3.o14.np	Method	AAT/NAP
Start	54965	End	56443
GI	6523547	Score	372
Exons	54965..55318, 55536..55614, 55672..56443		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		
Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40565	Strand	+
Start	292	End	1227
Name	OJ990716_01.9A11.C4.o1.gs	Method	GENSCAN
Start	292	End	1227
GI	none	Score	.99
Exons	292..1227		
Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40566	Strand	+
Start	8075	End	8915
Name	OJ990716_01.9A11.C4.o2.np	Method	AAT/NAP
Start	8075	End	8915
GI	5922623	Score	246
Exons	8075..8156, 8515..8673, 8841..8915		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40567	Strand	+
Start	9766	End	10258
Name	OJ990716_01.9A11.C4.o4.gs	Method	GENSCAN
Start	9766	End	10258
GI	none	Score	.93
Exons	9766..9775, 10185..10258		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40568	Strand	+
Start	15290	End	17257
Name	OJ990716_01.9A11.C4.o5.np	Method	AAT/NAP
Start	15290	End	17257
GI	5922623	Score	283
Exons	15290..15405, 15794..15906, 16074..16149, 17047..17257		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40569	Strand	+
Start	22850	End	25171
Name	OJ990716_01.9A11.C4.o8.gs	Method	GENSCAN
Start	22850	End	25171
GI	none	Score	.95
Exons	22850..25171		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40570	Strand	+
Start	28202	End	28959
Name	OJ990716_01.9A11.C4.o10.gs	Method	GENSCAN
Start	28202	End	28753
GI	none	Score	.99
Exons	28202..28557, 28614..28753		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40570	Strand	+
Start	28202	End	28959
Name	OJ990716_01.9A11.C4.o7.np	Method	AAT/NAP
Start	28224	End	28959
GI	2246378	Score	431
Exons	28224..28293, 28341..28557, 28656..28959		
GI Descrip.	(Z86094) plastid protein [Arabidopsis thaliana]		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40571	Strand	-
Start	1843	End	9702
Name	OJ990716_01.9A11.C4.o2.gs	Method	GENSCAN
Start	1843	End	5508
GI	none	Score	1
Exons	1843..5508		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40571	Strand	-
Start	1843	End	9702
Name	OJ990716_01.9A11.C4.o1.np	Method	AAT/NAP

Start	1846	End	7492
GI	6498441	Score	6812
Exons	1846..2127, 2221..3618, 3790..4272, 4465..4705, 4880..5014, 5198..5571, 5635..6098, 6429..7492		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40571	Strand	-
Start	1843	End	9702
Name	OJ990716_01.9A11.C4.o3.gs	Method	GENSCAN
Start	5572	End	7998
GI	none	Score	.97
Exons	5572..7998		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40571	Strand	-
Start	1843	End	9702
Name	OJ990716_01.9A11.C4.o3.np	Method	AAT/NAP
Start	7580	End	9702
GI	6907088	Score	597
Exons	7580..7960, 9146..9389, 9565..9702		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40572	Strand	-
Start	13071	End	14503
Name	OJ990716_01.9A11.C4.o5.gs	Method	GENSCAN
Start	13071	End	14428
GI	none	Score	.65
Exons	13071..13410, 13962..14045, 14138..14273, 14389..14428		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40572	Strand	-
Start	13071	End	14503
Name	OJ990716_01.9A11.C4.o1.gp	Method	AAT/GAP
Start	13074	End	14503
GI	14525_1.R1084	Score	1111
Exons	13074..13340, 13973..14045, 14138..14273, 14389..14503		
GI Descrip.	'5042420/gb|AAD38259.1|AC006193_15 2.0e-31 (AC006193) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40572	Strand	-
Start	13071	End	14503
Name	OJ990716_01.9A11.C4.o4.np	Method	AAT/NAP
Start	13083	End	14307
GI	5042420	Score	380
Exons	13083..13340, 13973..14045, 14138..14307		
GI Descrip.	(AC006193) Unknown protein [Arabidopsis thaliana]		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40573	Strand	-
Start	14564	End	14617
Name	OJ990716_01.9A11.C4.o2.gp	Method	AAT/GAP
Start	14564	End	14617

GI	72424_1.R1084	Score	71
Exons	14564..14617		
GI Descrip.	'2842493/emb|CAA16890.1| 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40574	Strand	-
Start	17021	End	22158
Name	OJ990716_01.9A11.C4.o7.gs	Method	GENSCAN
Start	17021	End	22158
GI	none	Score	.69
Exons	17021..17293, 17622..17694, 17790..17901, 18010..18207, 18544..18733, 19166..19414, 20101..20174, 20526..20622, 22117..22158		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o9.tw	Method	TBLASTX:Wheat
Start	1855	End	2457
GI	none	Score	83
Exons	1855..1980, 1859..1981, 2173..2457, 2174..2452		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o4.tw	Method	TBLASTX:Wheat
Start	2458	End	2839
GI	none	Score	166
Exons	2458..2838, 2489..2737, 2783..2839		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o4.tm	Method	TBLASTX:Maize
Start	2653	End	2976
GI	none	Score	183
Exons	2653..2976, 2666..2947		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o10.tw	Method	TBLASTX:Wheat
Start	3169	End	3481
GI	none	Score	67
Exons	3169..3429, 3305..3481		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o3.ts	Method	TBLASTX:Soybean
Start	3229	End	3795
GI	5666795	Score	68
Exons	3229..3429, 3484..3621, 3697..3795		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4

Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o5.tw	Method	TBLASTX:Wheat
Start	3484	End	6944
GI	none	Score	82
Exons	3484..3633, 3485..3622, 3487..3624, 3680..3853, 3694..3945, 3694..3918, 6891..6944		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o2.ts	Method	TBLASTX:Soybean
Start	4543	End	4914
GI	none	Score	90
Exons	4543..4914, 4754..4897		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o2.tw	Method	TBLASTX:Wheat
Start	4568	End	4993
GI	none	Score	333
Exons	4568..4993, 4573..4992		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o3.tm	Method	TBLASTX:Maize
Start	4666	End	5050
GI	none	Score	226
Exons	4666..5049, 4685..5050		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o2.tm	Method	TBLASTX:Maize
Start	5077	End	5433
GI	none	Score	122
Exons	5077..5394, 5077..5433, 5087..5398		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o1.tw	Method	TBLASTX:Wheat
Start	5101	End	5564
GI	none	Score	400
Exons	5101..5562, 5102..5563, 5121..5564		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o4.ts	Method	TBLASTX:Soybean
Start	5158	End	5523
GI	none	Score	117
Exons	5158..5292, 5299..5523		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4

Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o3.tw	Method	TBLASTX:Wheat
Start	5731	End	6214
GI	none	Score	165
Exons	5731..6213, 5759..6019, 6041..6214		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o7.tw	Method	TBLASTX:Wheat
Start	6952	End	7344
GI	none	Score	83
Exons	6952..7209, 7064..7225, 7192..7290, 7193..7273, 7297..7344		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o7.tm	Method	TBLASTX:Maize
Start	7054	End	7339
GI	none	Score	89
Exons	7054..7302, 7055..7339		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o6.tw	Method	TBLASTX:Wheat
Start	13039	End	17690
GI	none	Score	66
Exons	13039..13137, 13071..13349, 13164..13340, 13971..14048, 13974..14048, 13976..14056, 13984..14049, 14138..14275, 14140..14274, 14384..14431, 14388..14435, 17652..17690		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o5.tm	Method	TBLASTX:Maize
Start	13242	End	14432
GI	none	Score	131
Exons	13242..13349, 13242..13349, 13956..14048, 13976..14056, 13978..14049, 14138..14275, 14140..14274, 14384..14431, 14388..14432		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o3.gp	Method	AAT/GAP
Start	25563	End	27927
GI	11862_1.R1084	Score	1228
Exons	25563..25964, 26063..26163, 26592..26686, 27851..27927		
GI Descrip.	'3717946/emb|CAA06758| 4.0e-22 (AJ005901) vag1 [Arabidopsis thaliana] >gi_5853315_gb_AAD54418.1_ (AF181688) vacuolar membrane ATPase subunit G [Arabidopsis thaliana]'		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927

Name	OJ990716_01.9A11.C4.o8.tw	Method	TBLASTX:Wheat
Start	25762	End	26695
GI	none	Score	221
Exons	25762..25791, 25809..25967, 25813..25965, 26062..26157, 26063..26194, 26575..26679, 26588..26683, 26589..26690, 26594..26695		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o6.tm	Method	TBLASTX:Maize
Start	25812	End	26692
GI	none	Score	190
Exons	25812..25967, 25819..25965, 25820..25972, 26062..26160, 26063..26152, 26064..26162, 26575..26679, 26585..26680, 26603..26692		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o9.gs	Method	GENSCAN
Start	25821	End	26679
GI	none	Score	.95
Exons	25821..25964, 26063..26163, 26592..26679		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40575	Strand	-
Start	25563	End	27927
Name	OJ990716_01.9A11.C4.o6.np	Method	AAT/NAP
Start	25824	End	26679
GI	5917785	Score	325
Exons	25824..25964, 26063..26163, 26592..26679		
GI Descrip.	(AF184068) vacuolar membrane ATPase subunit G [Citrus limon]		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40576	Strand	
Start	28342	End	28764
Name	OJ990716_01.9A11.C4.o1.tm	Method	TBLASTX:Maize
Start	28342	End	28764
GI	none	Score	376
Exons	28342..28557, 28346..28555, 28529..28567, 28644..28760, 28654..28761, 28681..28764		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40576	Strand	
Start	28342	End	28764
Name	OJ990716_01.9A11.C4.o1.tc	Method	TBLASTX:Cress
Start	28346	End	28761
GI	none	Score	58
Exons	28346..28420, 28408..28557, 28409..28555, 28644..28760, 28645..28761		

Seq. No.	19424	Seq. ID	OJ990716_01.9A11.C4
Gene No.	40576	Strand	
Start	28342	End	28764
Name	OJ990716_01.9A11.C4.o1.ts	Method	TBLASTX:Soybean
Start	28394	End	28761

GI	none	Score	245
Exons	28394..28555, 28408..28557, 28644..28760, 28654..28761		

Seq. No.	19425	Seq. ID	OJ990416_05.9A01.C6
Gene No.	40577	Strand	+
Start	1	End	1366
Name	OJ990416_05.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	1366
GI	6714281	Score	434
Exons	1..194, 300..562, 1054..1366		
GI Descrip.	(AC017118) F6N18.13 [Arabidopsis thaliana]		

Seq. No.	19425	Seq. ID	OJ990416_05.9A01.C6
Gene No.	40577	Strand	+
Start	1	End	1366
Name	OJ990416_05.9A01.C6.o1.gp	Method	AAT/GAP
Start	167	End	1125
GI	none	Score	886
Exons	167..562, 1054..1125		

Seq. No.	19425	Seq. ID	OJ990416_05.9A01.C6
Gene No.	40577	Strand	+
Start	1	End	1366
Name	OJ990416_05.9A01.C6.o1.gs	Method	GENSCAN
Start	275	End	1206
GI	none	Score	.78
Exons	275..616, 1054..1206		

Seq. No.	19425	Seq. ID	OJ990416_05.9A01.C6
Gene No.	40577	Strand	+
Start	1	End	1366
Name	OJ990416_05.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	422	End	1366
GI	none	Score	177
Exons	422..577, 422..562, 487..576, 1039..1359, 1051..1314, 1053..1334, 1178..1366		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40578	Strand	+
Start	1339	End	5364
Name	OJ990416_05.9A01.C7.o1.gs	Method	GENSCAN
Start	1339	End	5364
GI	none	Score	.81
Exons	1339..1426, 1519..1649, 1681..1982, 2340..2624, 2725..2783, 3004..3086, 3795..3924, 4180..4302, 4321..4605, 5087..5364		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40578	Strand	+
Start	1339	End	5364
Name	OJ990416_05.9A01.C7.o1.np	Method	AAT/NAP
Start	2684	End	4512
GI	4734014	Score	604
Exons	2684..2783, 2888..2924, 3015..3086, 3795..4512		
GI Descrip.	(AC007112) unknown protein [Arabidopsis thaliana]		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40579	Strand	+

Start	9954	End	12595
Name	OJ990416_05.9A01.C7.o2.gs	Method	GENSCAN
Start	9954	End	12595
GI	none	Score	.5
Exons	9954..10207, 11250..11268, 12434..12595		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40580	Strand	+
Start	13263	End	13979
Name	OJ990416_05.9A01.C7.o1.gp	Method	AAT/GAP
Start	13209	End	13580
GI	none	Score	736
Exons	13209..13580		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40580	Strand	+
Start	13263	End	13979
Name	OJ990416_05.9A01.C7.o3.gs	Method	GENSCAN
Start	13263	End	13979
GI	none	Score	.99
Exons	13263..13979		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40580	Strand	+
Start	13263	End	13979
Name	OJ990416_05.9A01.C7.o3.np	Method	AAT/NAP
Start	13263	End	13976
GI	6730731	Score	238
Exons	13263..13703, 13846..13976		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40581	Strand	+
Start	14614	End	14932
Name	OJ990416_05.9A01.C7.o4.gs	Method	GENSCAN
Start	14614	End	14932
GI	none	Score	.97
Exons	14614..14680, 14724..14932		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40582	Strand	-
Start	3899	End	7703
Name	OJ990416_05.9A01.C7.o2.np	Method	AAT/NAP
Start	3899	End	7703
GI	6721547	Score	87
Exons	3899..3948, 7619..7703		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o2.tm	Method	TBLASTX:Maize
Start	2981	End	4374
GI	none	Score	67
Exons	2981..3085, 3009..3092, 3016..3129, 3777..3902, 3793..3939, 4021..4374, 4185..4373		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o2.ts	Method	TBLASTX:Soybean
Start	3792	End	4374
GI	none	Score	152
Exons	3792..3902, 3793..3939, 4021..4158, 4155..4346, 4177..4374		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o3.ts	Method	TBLASTX:Soybean
Start	13262	End	13448
GI	none	Score	225
Exons	13262..13447, 13263..13448		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o5.tm	Method	TBLASTX:Maize
Start	13268	End	13784
GI	none	Score	266
Exons	13268..13447, 13269..13448, 13517..13561, 13617..13706, 13689..13784		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o4.tm	Method	TBLASTX:Maize
Start	15177	End	16704
GI	none	Score	112
Exons	15177..15230, 15231..15392, 15256..15393, 15297..15392, 15465..15563, 15470..15571, 15472..15561, 15656..15778, 15662..15778, 15663..15779, 15957..16034, 15969..16034, 16106..16237, 16112..16237, 16114..16248, 16474..16551, 16474..16551, 16632..16700, 16633..16704, 16633..16698		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o4.np	Method	AAT/NAP
Start	15291	End	19836
GI	4538961	Score	1164
Exons	15291..15778, 15966..16031, 16114..16236, 16483..16550, 16635..16713, 17074..17242, 17318..17406, 17740..17803, 18221..18324, 18410..18547, 19189..19314, 19423..19635, 19726..19836		
GI Descrip.	(AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o2.gp	Method	AAT/GAP
Start	15468	End	18306
GI	23683_1.R1084	Score	1509
Exons	15468..15559, 15673..15778, 15966..16031, 16114..16236,		

16483..16550, 16635..16698, 17101..17242, 17318..17406,
17740..17803, 18221..18306

GI Descrip. '4538961/emb|CAB39785.1| 2.0e-56 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o5.gs	Method	GENSCAN
Start	15653	End	19775
GI	none	Score	.83
Exons	15653..15778, 15966..16067, 16114..16236, 16483..16550, 16635..16698, 17101..17242, 17318..17406, 17740..17803, 18221..18324, 19189..19314, 19726..19775		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o4.ts	Method	TBLASTX:Soybean
Start	16141	End	18318
GI	none	Score	61
Exons	16141..16239, 16172..16234, 16474..16551, 16474..16551, 16633..16725, 16633..16719, 17098..17244, 17099..17245, 17318..17407, 17320..17409, 17731..17805, 17741..17806, 18220..18261, 18262..18318		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o3.tm	Method	TBLASTX:Maize
Start	17098	End	18445
GI	none	Score	219
Exons	17098..17241, 17099..17248, 17100..17273, 17317..17409, 17318..17407, 17319..17411, 17740..17805, 17741..17806, 17741..17821, 17742..17807, 18214..18327, 18220..18351, 18406..18444, 18410..18445		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	18447	End	19810
GI	none	Score	118
Exons	18447..18542, 18449..18544, 18449..18544, 19168..19314, 19168..19332, 19187..19315, 19418..19636, 19420..19635, 19723..19809, 19723..19809, 19751..19810		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7
Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	18485	End	19738
GI	none	Score	98
Exons	18485..18544, 19175..19279, 19186..19314, 19187..19315, 19418..19636, 19420..19635, 19724..19738		

Seq. No.	19426	Seq. ID	OJ990416_05.9A01.C7

Gene No.	40583	Strand	-
Start	15291	End	19836
Name	OJ990416_05.9A01.C7.o1.tc	Method	TBLASTX:Cress
Start	19270	End	19818
GI	none	Score	65
Exons	19270..19332, 19418..19516, 19420..19521, 19522..19635, 19535..19636, 19723..19818, 19726..19818		

Seq. No.	19427	Seq. ID	OJ990416_05.9A01.C8
Gene No.	40584	Strand	-
Start	1	End	846
Name	OJ990416_05.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	846
GI	4538961	Score	253
Exons	1..53, 207..367, 756..846		
GI Descrip.	(AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	19427	Seq. ID	OJ990416_05.9A01.C8
Gene No.	40584	Strand	-
Start	1	End	846
Name	OJ990416_05.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	371
GI	none	Score	74
Exons	1..54, 3..53, 207..371, 207..365		

Seq. No.	19427	Seq. ID	OJ990416_05.9A01.C8
Gene No.	40584	Strand	-
Start	1	End	846
Name	OJ990416_05.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	6	End	342
GI	none	Score	59
Exons	6..62, 7..54, 193..339, 207..338, 214..342		

Seq. No.	19427	Seq. ID	OJ990416_05.9A01.C8
Gene No.	40584	Strand	-
Start	1	End	846
Name	OJ990416_05.9A01.C8.o1.gs	Method	GENSCAN
Start	207	End	266
GI	none	Score	.51
Exons	207..266		

Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40585	Strand	+
Start	10015	End	11385
Name	OJ990416_05.9A01.C9.o2.gs	Method	GENSCAN
Start	10015	End	11385
GI	none	Score	.8
Exons	10015..10152, 10963..11115, 11266..11385		

Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40586	Strand	-
Start	1	End	7125
Name	OJ990416_05.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	6290
GI	4538961	Score	1860
Exons	1..24, 949..1053, 1229..1387, 1701..1779, 2342..2439,		

	2870..2978, 3292..3462, 4131..4327, 5074..5217, 5298..5363, 5757..6290		
GI Descrip.	(AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40586	Strand	-
Start	1	End	7125
Name	OJ990416_05.9A01.C9.o1.gs	Method	GENSCAN
Start	577	End	7125
GI	none	Score	.64
Exons	577..585, 964..1053, 1701..1792, 2342..2489, 2870..2983, 3300..3462, 4131..4327, 5074..5217, 5757..6432, 6705..6922, 6970..7125		

Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40586	Strand	-
Start	1	End	7125
Name	OJ990416_05.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	944	End	2974
GI	none	Score	129
Exons	944..1054, 949..1056, 952..1056, 1226..1393, 1227..1388, 1699..1779, 1701..1778, 2339..2440, 2340..2441, 2341..2442, 2341..2442, 2825..2974, 2870..2962		

Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40586	Strand	-
Start	1	End	7125
Name	OJ990416_05.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	1256	End	2373
GI	none	Score	121
Exons	1256..1393, 1263..1388, 1699..1779, 1701..1778, 2341..2373		

Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40586	Strand	-
Start	1	End	7125
Name	OJ990416_05.9A01.C9.o1.gp	Method	AAT/GAP
Start	1318	End	3354
GI	uC-osroM202014h10b1	Score	720
Exons	1318..1387, 1701..1779, 2342..2439, 2870..2983, 3300..3354		
GI Descrip.	'4538961/emb|CAB39785.1| 3.0e-52 (AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]'		

Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40586	Strand	-
Start	1	End	7125
Name	OJ990416_05.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	4226	End	5215
GI	none	Score	71
Exons	4226..4330, 4277..4396, 5067..5213, 5071..5214, 5072..5215		

Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40586	Strand	-
Start	1	End	7125
Name	OJ990416_05.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	5298	End	6290
GI	none	Score	366

Exons	5298..5366, 5748..6143, 5752..6279, 5754..6290, 6222..6290		
Seq. No.	19428	Seq. ID	OJ990416_05.9A01.C9
Gene No.	40586	Strand	-
Start	1	End	7125
Name	OJ990416_05.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	5934	End	6302
GI	none	Score	448
Exons	5934..6290, 5935..6276, 6219..6302		
Seq. No.	19429	Seq. ID	OJ990416_05.9A01.C10
Gene No.	40587	Strand	+
Start	118	End	762
Name	OJ990416_05.9A01.C10.o1.gs	Method	GENSCAN
Start	118	End	762
GI	none	Score	.59
Exons	118..237, 703..762		
Seq. No.	19430	Seq. ID	OJ990416_05.9A01.C11
Gene No.	40588	Strand	+
Start	35	End	421
Name	OJ990416_05.9A01.C11.o1.gs	Method	GENSCAN
Start	35	End	421
GI	none	Score	.89
Exons	35..421		
Seq. No.	19430	Seq. ID	OJ990416_05.9A01.C11
Gene No.	40589	Strand	+
Start	2224	End	3350
Name	OJ990416_05.9A01.C11.o1.np	Method	AAT/NAP
Start	2224	End	3350
GI	6539570	Score	89
Exons	2224..2421, 2554..2630, 3283..3350		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	19430	Seq. ID	OJ990416_05.9A01.C11
Gene No.	40590	Strand	-
Start	1690	End	2028
Name	OJ990416_05.9A01.C11.o2.gs	Method	GENSCAN
Start	1690	End	2028
GI	none	Score	.66
Exons	1690..2028		
Seq. No.	19430	Seq. ID	OJ990416_05.9A01.C11
Gene No.	40591	Strand	-
Start	3066	End	3302
Name	OJ990416_05.9A01.C11.o3.gs	Method	GENSCAN
Start	3066	End	3302
GI	none	Score	.54
Exons	3066..3302		
Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40592	Strand	+
Start	245	End	2541
Name	OJ990416_05.9A01.C12.o1.gs	Method	GENSCAN
Start	245	End	2541
GI	none	Score	.91

Exons	245..344, 703..746, 1220..1420, 1531..1602, 1851..1966, 2053..2119, 2199..2305, 2385..2541		
Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40592	Strand	+
Start	245	End	2541
Name	OJ990416_05.9A01.C12.o1.np	Method	AAT/NAP
Start	1238	End	2306
GI	3047065	Score	316
Exons	1238..1420, 1531..1602, 2032..2119, 2199..2306		
GI Descrip.	(AF058825) contains similarity to human OS-9 precurosor (GB:U41635) [Arabidopsis thaliana]		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40593	Strand	+
Start	4582	End	6042
Name	OJ990416_05.9A01.C12.o2.gs	Method	GENSCAN
Start	4582	End	6042
GI	none	Score	.99
Exons	4582..6042		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40593	Strand	+
Start	4582	End	6042
Name	OJ990416_05.9A01.C12.o2.np	Method	AAT/NAP
Start	4582	End	6039
GI	6730737	Score	1462
Exons	4582..6039		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40593	Strand	+
Start	4582	End	6042
Name	OJ990416_05.9A01.C12.o1.gp	Method	AAT/GAP
Start	5492	End	5870
GI	LIB3433-025-P1-K1-A12	Score	709
Exons	5492..5870		
GI Descrip.	'4586058/gb|AAD25676.1|AC007020_18 2.0e-22 (AC007020) unknown protein [Arabidopsis thaliana]'		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40594	Strand	+
Start	6771	End	6983
Name	OJ990416_05.9A01.C12.o2.gp	Method	AAT/GAP
Start	6771	End	6983
GI	none	Score	426
Exons	6771..6983		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40595	Strand	+
Start	16038	End	16551
Name	OJ990416_05.9A01.C12.o5.gp	Method	AAT/GAP
Start	16038	End	16551
GI	none	Score	1024
Exons	16038..16551		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12

Gene No.	40596	Strand	-
Start	6844	End	22622
Name	OJ990416_05.9A01.C12.o3.gs	Method	GENSCAN
Start	6844	End	22244
GI	none	Score	.78
Exons	6844..7038, 7302..7421, 7563..7774, 8025..8238, 8365..8620, 9622..9916, 9993..10077, 10384..10596, 10735..10874, 11656..11698, 12467..12539, 12635..12708, 13077..13252, 13571..13814, 14484..14584, 14664..14691, 15069..15267, 15957..15994, 16640..16945, 17500..17525, 18194..18236, 18275..18352, 18511..18601, 18947..19046, 19123..19261, 19983..20082, 20529..20641, 20935..21075, 21700..21773, 21866..22244		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40596	Strand	-
Start	6844	End	22622
Name	OJ990416_05.9A01.C12.o3.np	Method	AAT/NAP
Start	7275	End	15197
GI	4325344	Score	2810
Exons	7275..7421, 7563..7774, 8025..8238, 8365..8620, 9622..9916, 9993..10077, 10384..10596, 10693..10874, 11656..11698, 11779..11844, 12467..12539, 12626..12708, 13077..13252, 13571..13814, 13915..14118, 14484..14601, 14660..14691, 15069..15197		
GI Descrip.	(AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40596	Strand	-
Start	6844	End	22622
Name	OJ990416_05.9A01.C12.o3.gp	Method	AAT/GAP
Start	7284	End	8149
GI	LIB3434-038-P1-K1-C6	Score	820
Exons	7284..7421, 7563..7774, 8025..8149		
GI Descrip.	'4325344/gb|AAD17343| 2.0e-34 (AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]'		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40596	Strand	-
Start	6844	End	22622
Name	OJ990416_05.9A01.C12.o4.gp	Method	AAT/GAP
Start	8359	End	9805
GI	LIB3432-029-P1-K1-A9	Score	819
Exons	8359..8620, 9622..9805		
GI Descrip.	'4325344/gb|AAD17343| 2.0e-47 (AF128393) similar to beta-transducins (Pfam: PF00400, Score=71.7, E=1.5e-17, N=6) [Arabidopsis thaliana]'		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40596	Strand	-
Start	6844	End	22622
Name	OJ990416_05.9A01.C12.o6.gp	Method	AAT/GAP
Start	16750	End	18214
GI	LIB3432-017-P1-K1-B3	Score	841
Exons	16750..16945, 17500..17648, 18098..18214		

GI Descrip.	'4589536/dbj|BAA76790.1| 1.0e-11 (AB023163) KIAA0946 protein [Homo sapiens]'		
Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40596	Strand	-
Start	6844	End	22622
Name	OJ990416_05.9A01.C12.o5.np	Method	AAT/NAP
Start	20519	End	22622
GI	4406801	Score	346
Exons	20519..20705, 20924..21075, 21966..22127, 22548..22622		
GI Descrip.	(AC006304) unknown protein [Arabidopsis thaliana]		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o4.tm	Method	TBLASTX:Maize
Start	728	End	1578
GI	none	Score	131
Exons	728..823, 739..825, 744..824, 745..831, 1220..1420, 1220..1420, 1528..1578, 1531..1578		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o3.ts	Method	TBLASTX:Soybean
Start	1307	End	2316
GI	none	Score	98
Exons	1307..1420, 1492..1605, 1521..1604, 1848..1967, 2050..2121, 2051..2122, 2162..2305, 2196..2306, 2197..2316, 2198..2308		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	1835	End	2496
GI	none	Score	36
Exons	1835..1870, 1851..1982, 2050..2121, 2051..2122, 2162..2305, 2194..2307, 2196..2306, 2197..2307, 2198..2308, 2385..2495, 2386..2496, 2389..2496		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	2062	End	2610
GI	none	Score	91
Exons	2062..2121, 2063..2122, 2162..2305, 2190..2306, 2194..2307, 2198..2308, 2385..2426, 2386..2466, 2389..2448, 2437..2496, 2440..2496, 2458..2544, 2490..2543, 2581..2610		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o5.tm	Method	TBLASTX:Maize
Start	4795	End	5118
GI	none	Score	285
Exons	4795..5118, 4816..5106, 4818..5117		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o2.tc	Method	TBLASTX:Cress
Start	4798	End	5912
GI	none	Score	283
Exons	4798..5115, 4818..5114, 5074..5241, 5122..5472, 5308..5472, 5479..5736, 5554..5712, 5776..5910, 5805..5912		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	4807	End	5910
GI	none	Score	206
Exons	4807..5070, 4818..4964, 4819..5004, 5131..5466, 5131..5454, 5479..5799, 5505..5570, 5554..5748, 5761..5910		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	5518	End	5949
GI	none	Score	639
Exons	5518..5949, 5519..5830, 5520..5912		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o8.tm	Method	TBLASTX:Maize
Start	7276	End	7685
GI	none	Score	213
Exons	7276..7422, 7276..7422, 7284..7424, 7554..7670, 7557..7685, 7564..7680		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o7.ts	Method	TBLASTX:Soybean
Start	7282	End	7774
GI	none	Score	81
Exons	7282..7422, 7284..7424, 7284..7424, 7549..7686, 7557..7697, 7565..7696, 7644..7772, 7691..7774, 7735..7770		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o9.tm	Method	TBLASTX:Maize
Start	8025	End	8395
GI	none	Score	175
Exons	8025..8240, 8026..8244, 8362..8394, 8363..8395		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o1.tc	Method	TBLASTX:Cress

Start	9624	End	12542
GI	none	Score	226
Exons	9624..9917, 9624..9938, 9625..9918, 9991..10083, 9992..10084, 10381..10599, 10382..10585, 10489..10602, 10731..10859, 10733..10858, 10735..10875, 10736..10882, 11657..11704, 11779..11847, 12465..12542, 12465..12539, 12467..12541		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o4.ts	Method	TBLASTX:Soybean
Start	12479	End	13254
GI	none	Score	60
Exons	12479..12541, 12481..12528, 12625..12711, 12629..12709, 13057..13254, 13074..13253		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o2.ts	Method	TBLASTX:Soybean
Start	16551	End	17655
GI	none	Score	65
Exons	16551..16613, 16683..16700, 16733..16948, 16738..16896, 16739..16948, 17551..17655		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o3.tm	Method	TBLASTX:Maize
Start	16581	End	17598
GI	none	Score	121
Exons	16581..16736, 16582..16911, 16582..16917, 16670..16948, 16806..16949, 17497..17598		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o4.tc	Method	TBLASTX:Cress
Start	16805	End	19208
GI	none	Score	71
Exons	16805..16843, 16836..16898, 16838..16897, 16896..16949, 16898..16948, 17551..17661, 17731..17820, 17738..17818, 18095..18199, 18098..18199, 18102..18206, 18252..18353, 18272..18328, 18278..18355, 18511..18588, 18944..19015, 18946..19029, 19127..19201, 19131..19208		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o2.tw	Method	TBLASTX:Wheat
Start	17554	End	19063
GI	none	Score	76
Exons	17554..17655, 17554..17664, 17555..17665, 17734..17820, 17738..17818, 18098..18208, 18102..18206, 18272..18328, 18273..18350, 18276..18353, 18501..18572, 18511..18594, 18944..19048, 18946..19056, 18946..19056, 18947..19063		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o6.tm	Method	TBLASTX:Maize
Start	17725	End	19187
GI	none	Score	148
Exons	17725..17820, 17732..17818, 18098..18190, 18098..18208, 18102..18206, 18271..18351, 18272..18328, 18276..18353, 18509..18571, 18511..18594, 18945..19052, 18946..19062, 18946..19062, 19083..19184, 19115..19186, 19116..19187		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o6.ts	Method	TBLASTX:Soybean
Start	17767	End	20640
GI	none	Score	65
Exons	17767..17820, 18098..18199, 18272..18328, 18276..18353, 18950..19027, 18955..19065, 19116..19277, 19127..19258, 19984..20073, 19986..20075, 20290..20370, 20291..20371, 20296..20373, 20524..20640, 20528..20638		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o7.tm	Method	TBLASTX:Maize
Start	19187	End	21114
GI	none	Score	91
Exons	19187..19261, 19191..19277, 19972..20073, 19983..20075, 19986..20084, 20070..20147, 20071..20148, 20071..20148, 20072..20149, 20073..20150, 20290..20370, 20291..20371, 20292..20372, 20293..20373, 20518..20643, 20524..20643, 20528..20644, 20933..21076, 20934..21077, 20935..21078, 20935..21078, 20956..21072, 20968..21114		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o3.tc	Method	TBLASTX:Cress
Start	20071	End	22136
GI	none	Score	148
Exons	20071..20148, 20933..21076, 20935..21078, 20936..21076, 21966..22136, 21976..22053		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o5.ts	Method	TBLASTX:Soybean
Start	20077	End	22136
GI	none	Score	101
Exons	20077..20148, 20968..21078, 20969..21076, 21966..22052, 21966..22136, 21967..22056		

Seq. No.	19431	Seq. ID	OJ990416_05.9A01.C12
Gene No.	40597	Strand	-
Start	26999	End	27377
Name	OJ990416_05.9A01.C12.o7.gp	Method	AAT/GAP

Start	26999	End	27377
GI	2311430	Score	714
Exons	26999..27377		

Seq. No.	19432	Seq. ID	OJ990416_05.9A01.C13
Gene No.	40598	Strand	-
Start	1	End	2927
Name	OJ990416_05.9A01.C13.o1.np	Method	AAT/NAP
Start	1	End	2927
GI	2792220	Score	459
Exons	1..69, 214..595, 1907..2793, 2854..2927		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	19432	Seq. ID	OJ990416_05.9A01.C13
Gene No.	40598	Strand	-
Start	1	End	2927
Name	OJ990416_05.9A01.C13.o1.gs	Method	GENSCAN
Start	178	End	2812
GI	none	Score	.86
Exons	178..634, 1907..2812		

Seq. No.	19432	Seq. ID	OJ990416_05.9A01.C13
Gene No.	40598	Strand	-
Start	1	End	2927
Name	OJ990416_05.9A01.C13.o1.ts	Method	TBLASTX:Soybean
Start	1982	End	2557
GI	none	Score	61
Exons	1982..2149, 1991..2149, 2001..2153, 2162..2494, 2513..2557		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40599	Strand	+
Start	157	End	841
Name	OJ990416_05.9A01.C14.o1.gs	Method	GENSCAN
Start	157	End	841
GI	none	Score	.9
Exons	157..310, 390..497, 717..841		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40600	Strand	-
Start	1858	End	6808
Name	OJ990416_05.9A01.C14.o1.gp	Method	AAT/GAP
Start	1295	End	6808
GI	150_1.R1084	Score	5706
Exons	1295..2064, 2173..2232, 2315..2725, 2896..3226, 3324..3409, 3496..3875, 4038..4613, 6480..6808		
GI Descrip.	'1747294/dbj|BAA08232| 0.0e+00 (D45383) vacuolar H+-pyrophosphatase [Oryza sativa]'		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40600	Strand	-
Start	1858	End	6808
Name	OJ990416_05.9A01.C14.o2.gs	Method	GENSCAN
Start	1858	End	6744
GI	none	Score	.83
Exons	1858..2064, 2173..2232, 2315..2725, 2896..3226, 3496..3875, 4038..4377, 5196..5218, 5833..5879, 6480..6744		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40600	Strand	-
Start	1858	End	6808
Name	OJ990416_05.9A01.C14.o1.np	Method	AAT/NAP
Start	1861	End	6744
GI	1747294	Score	3633
Exons	1861..2064, 2173..2232, 2315..2725, 2896..3226, 3324..3409, 3496..3875, 4038..4613, 6480..6744		
GI Descrip.	(D45383) vacuolar H+-pyrophosphatase [Oryza sativa]		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40601	Strand	-
Start	7855	End	7951
Name	OJ990416_05.9A01.C14.o1.tc	Method	TBLASTX:Cress
Start	1856	End	6738
GI	none	Score	258
Exons	1856..2065, 1858..2067, 1858..2064, 1860..2069, 2172..2243, 2173..2247, 2174..2248, 2316..2729, 2357..2725, 2894..3100, 2896..3228, 2897..3229, 3134..3232, 3332..3394, 3334..3408, 3432..3749, 3495..3875, 3496..3876, 4033..4326, 4035..4328, 4252..4290, 4279..4614, 4320..4406, 4322..4615, 4391..4450, 4464..4616, 6478..6513, 6625..6738		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40601	Strand	-
Start	7855	End	7951
Name	OJ990416_05.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	1858	End	4296
GI	none	Score	290
Exons	1858..2064, 1859..2065, 1859..2065, 2156..2251, 2163..2309, 2312..2728, 2314..2361, 2316..2729, 2357..2725, 2895..3227, 2895..3227, 2896..3228, 2897..3229, 3332..3397, 3334..3411, 3334..3408, 3335..3409, 3447..3830, 3471..3875, 3496..3876, 4033..4296, 4035..4295, 4117..4296		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40601	Strand	-
Start	7855	End	7951
Name	OJ990416_05.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	1867	End	6741
GI	none	Score	267
Exons	1867..2064, 1868..2065, 1974..2066, 2171..2236, 2173..2247, 2174..2233, 2319..2729, 2357..2725, 2395..2730, 2776..2814, 2892..3218, 2894..3091, 2896..3228, 2897..3229, 3332..3397, 3334..3414, 3334..3408, 3444..3830, 3471..3875, 3496..3876, 4033..4326, 4035..4328, 4117..4356, 4121..4357, 4252..4290, 4279..4614, 4322..4615, 4400..4450, 4493..4621, 6478..6513, 6616..6741		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40601	Strand	-
Start	7855	End	7951
Name	OJ990416_05.9A01.C14.o3.tw	Method	TBLASTX:Wheat
Start	1867	End	2035
GI	none	Score	202
Exons	1867..2034, 1868..2035		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40601	Strand	-
Start	7855	End	7951
Name	OJ990416_05.9A01.C14.o1.tw	Method	TBLASTX:Wheat
Start	2036	End	2617
GI	none	Score	44
Exons	2036..2065, 2038..2064, 2162..2236, 2172..2246, 2173..2247, 2173..2247, 2174..2248, 2307..2609, 2316..2609, 2357..2617		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40601	Strand	-
Start	7855	End	7951
Name	OJ990416_05.9A01.C14.o2.tw	Method	TBLASTX:Wheat
Start	2927	End	3411
GI	none	Score	365
Exons	2927..3232, 2928..3224, 2959..3228, 3332..3397, 3334..3411, 3334..3408		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40601	Strand	-
Start	7855	End	7951
Name	OJ990416_05.9A01.C14.o2.tm	Method	TBLASTX:Maize
Start	4301	End	6750
GI	none	Score	35
Exons	4301..4336, 4303..4614, 4320..4397, 4322..4615, 4464..4616, 6476..6568, 6478..6513, 6619..6750, 6641..6748		

Seq. No.	19433	Seq. ID	OJ990416_05.9A01.C14
Gene No.	40601	Strand	-
Start	7855	End	7951
Name	OJ990416_05.9A01.C14.o3.gs	Method	GENSCAN
Start	7855	End	7951
GI	none	Score	.81
Exons	7855..7951		

Seq. No.	19434	Seq. ID	OJ990416_05.9A01.C15
Gene No.	40602	Strand	+
Start	956	End	1400
Name	OJ990416_05.9A01.C15.o1.gs	Method	GENSCAN
Start	956	End	1400
GI	none	Score	.6
Exons	956..1108, 1257..1400		

Seq. No.	19434	Seq. ID	OJ990416_05.9A01.C15
Gene No.	40603	Strand	-
Start	1620	End	5201
Name	OJ990416_05.9A01.C15.o1.gp	Method	AAT/GAP
Start	1620	End	5201
GI	19237_1.R1084	Score	1816
Exons	1620..2008, 2874..2982, 3077..3193, 3277..3340, 3676..3790, 4898..4941, 5046..5201		
GI Descrip.	'4567246/gb|AAD23660.1|AC007070_9 2.0e-55 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	19434	Seq. ID	OJ990416_05.9A01.C15
Gene No.	40603	Strand	-
Start	1620	End	5201

Name	OJ990416_05.9A01.C15.o1.np	Method	AAT/NAP
Start	1917	End	5158
GI	4567246	Score	383
Exons	1917..2008, 2874..2980, 3111..3193, 3277..3340, 3676..3778, 4898..4942, 5059..5158		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	19434	Seq. ID	OJ990416_05.9A01.C15
Gene No.	40603	Strand	-
Start	1620	End	5201
Name	OJ990416_05.9A01.C15.o1.ts	Method	TBLASTX:Soybean
Start	1929	End	3773
GI	none	Score	103
Exons	1929..2009, 2861..2980, 2875..2979, 3072..3194, 3074..3193, 3269..3340, 3289..3339, 3672..3773, 3673..3762		

Seq. No.	19434	Seq. ID	OJ990416_05.9A01.C15
Gene No.	40603	Strand	-
Start	1620	End	5201
Name	OJ990416_05.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	1967	End	4946
GI	none	Score	128
Exons	1967..2008, 1969..2010, 2861..2980, 2871..2894, 2875..2979, 2943..2984, 2944..2985, 3068..3193, 3072..3194, 3074..3193, 3076..3195, 3269..3340, 3289..3339, 3614..3751, 3672..3773, 3672..3773, 3673..3780, 3676..3774, 4896..4940, 4899..4946		

Seq. No.	19434	Seq. ID	OJ990416_05.9A01.C15
Gene No.	40603	Strand	-
Start	1620	End	5201
Name	OJ990416_05.9A01.C15.o2.gs	Method	GENSCAN
Start	2563	End	5174
GI	none	Score	.66
Exons	2563..2621, 2874..2982, 3077..3193, 5046..5174		

Seq. No.	19434	Seq. ID	OJ990416_05.9A01.C15
Gene No.	40603	Strand	-
Start	1620	End	5201
Name	OJ990416_05.9A01.C15.o1.tc	Method	TBLASTX:Cress
Start	2861	End	3765
GI	none	Score	99
Exons	2861..2977, 2875..2979, 3068..3187, 3074..3193, 3076..3195, 3078..3194, 3269..3334, 3282..3332, 3289..3339, 3672..3755, 3682..3756, 3682..3765		

Seq. No.	19435	Seq. ID	OJ990416_05.9A01.C17
Gene No.	40604	Strand	+
Start	376	End	3186
Name	OJ990416_05.9A01.C17.o1.gp	Method	AAT/GAP
Start	376	End	879
GI	52534_1.R1084	Score	736
Exons	376..580, 655..879		
GI Descrip.	'4160280/emb|CAA06921| 7.0e-23 (AJ006224) purple acid phosphatase [Ipomoea batatas]'		

Seq. No.	19435	Seq. ID	OJ990416_05.9A01.C17
Gene No.	40604	Strand	+

Start	376	End	3186
Name	OJ990416_05.9A01.C17.o1.tm	Method	TBLASTX:Maize
Start	403	End	2734
GI	none	Score	198
Exons	403..582, 407..583, 652..756, 652..795, 754..855, 762..854, 1319..1423, 1323..1430, 1323..1430, 1324..1434, 1363..1437, 1724..1975, 1746..1976, 1750..1977, 1750..1980, 2590..2727, 2591..2734, 2591..2728		

Seq. No.	19435	Seq. ID	OJ990416_05.9A01.C17
Gene No.	40604	Strand	+
Start	376	End	3186
Name	OJ990416_05.9A01.C17.o1.gs	Method	GENSCAN
Start	413	End	2729
GI	none	Score	.96
Exons	413..580, 655..855, 1325..1436, 1753..1976, 2591..2729		

Seq. No.	19435	Seq. ID	OJ990416_05.9A01.C17
Gene No.	40604	Strand	+
Start	376	End	3186
Name	OJ990416_05.9A01.C17.o1.np	Method	AAT/NAP
Start	417	End	3186
GI	4160280	Score	775
Exons	417..580, 655..855, 1325..1436, 1753..1976, 2591..2739, 3159..3186		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	19435	Seq. ID	OJ990416_05.9A01.C17
Gene No.	40604	Strand	+
Start	376	End	3186
Name	OJ990416_05.9A01.C17.o1.ts	Method	TBLASTX:Soybean
Start	445	End	2734
GI	none	Score	136
Exons	445..582, 473..583, 652..855, 652..855, 654..860, 1319..1420, 1323..1439, 1336..1437, 1746..1871, 1751..1882, 1753..1896, 1868..1972, 1872..1976, 2576..2734, 2590..2727, 2591..2728		

Seq. No.	19435	Seq. ID	OJ990416_05.9A01.C17
Gene No.	40604	Strand	+
Start	376	End	3186
Name	OJ990416_05.9A01.C17.o1.tc	Method	TBLASTX:Cress
Start	478	End	2734
GI	none	Score	122
Exons	478..582, 479..583, 652..855, 654..860, 1319..1420, 1360..1437, 1746..1871, 1751..1870, 1872..1970, 1872..1964, 1882..1977, 2576..2734, 2632..2724		

Seq. No.	19435	Seq. ID	OJ990416_05.9A01.C17
Gene No.	40604	Strand	+
Start	376	End	3186
Name	OJ990416_05.9A01.C17.o2.gp	Method	AAT/GAP
Start	1758	End	2729
GI	20922_1.R1084	Score	671
Exons	1758..1976, 2591..2729		
GI Descrip.	'2344871/emb|CAA04644| 1.0e-83 (AJ001270) purple acid phosphatase precursor [Phaseolus vulgaris]'		

Seq. No.	19436	Seq. ID	OJ990416_05.9A01.C18
Gene No.	40605	Strand	-
Start	293	End	684
Name	OJ990416_05.9A01.C18.o1.gp	Method	AAT/GAP
Start	293	End	684
GI	19237_1.R1084	Score	731
Exons	293..684		
GI Descrip.	'4567246/gb|AAD23660.1|AC007070_9 2.0e-55 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	19437	Seq. ID	OJ990416_05.9A01.C20
Gene No.	40606	Strand	+
Start	1	End	741
Name	OJ990416_05.9A01.C20.o1.np	Method	AAT/NAP
Start	1	End	741
GI	2792220	Score	276
Exons	1..741		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	19437	Seq. ID	OJ990416_05.9A01.C20
Gene No.	40606	Strand	+
Start	1	End	741
Name	OJ990416_05.9A01.C20.o1.ts	Method	TBLASTX:Soybean
Start	44	End	556
GI	none	Score	105
Exons	44..376, 385..537, 389..547, 389..556		

Seq. No.	19437	Seq. ID	OJ990416_05.9A01.C20
Gene No.	40606	Strand	+
Start	1	End	741
Name	OJ990416_05.9A01.C20.o1.gs	Method	GENSCAN
Start	59	End	631
GI	none	Score	.76
Exons	59..269, 465..631		

Seq. No.	19438	Seq. ID	OJ990416_05.9A01.C23
Gene No.	40607	Strand	-
Start	147	End	554
Name	OJ990416_05.9A01.C23.o1.gs	Method	GENSCAN
Start	147	End	554
GI	none	Score	.47
Exons	147..289, 300..554		

Seq. No.	19439	Seq. ID	OJ990416_05.9A01.C26
Gene No.	40608	Strand	-
Start	413	End	545
Name	OJ990416_05.9A01.C26.o1.np	Method	AAT/NAP
Start	413	End	545
GI	1747294	Score	162
Exons	413..545		
GI Descrip.	(D45383) vacuolar H+-pyrophosphatase [Oryza sativa]		

Seq. No.	19439	Seq. ID	OJ990416_05.9A01.C26
Gene No.	40608	Strand	-
Start	413	End	545
Name	OJ990416_05.9A01.C26.o1.gp	Method	AAT/GAP
Start	416	End	545

GI	150_1.R1084	Score	227
Exons	416..545		
GI Descrip.	'1747294/dbj|BAA08232| 0.0e+00 (D45383) vacuolar H+-pyrophosphatase [Oryza sativa]'		

Seq. No.	19439	Seq. ID	OJ990416_05.9A01.C26
Gene No.	40608	Strand	-
Start	413	End	545
Name	OJ990416_05.9A01.C26.o1.gs	Method	GENSCAN
Start	416	End	500
GI	none	Score	.98
Exons	416..500		

Seq. No.	19440	Seq. ID	OJ990416_05.9A01.C29
Gene No.	40609	Strand	-
Start	1	End	306
Name	OJ990416_05.9A01.C29.o1.np	Method	AAT/NAP
Start	1	End	306
GI	3608137	Score	158
Exons	1..306		
GI Descrip.	(AC005314) unknown protein [Arabidopsis thaliana]		

Seq. No.	19440	Seq. ID	OJ990416_05.9A01.C29
Gene No.	40609	Strand	-
Start	1	End	306
Name	OJ990416_05.9A01.C29.o1.ts	Method	TBLASTX:Soybean
Start	1	End	238
GI	none	Score	135
Exons	1..231, 2..238, 140..232		

Seq. No.	19440	Seq. ID	OJ990416_05.9A01.C29
Gene No.	40609	Strand	-
Start	1	End	306
Name	OJ990416_05.9A01.C29.o1.tm	Method	TBLASTX:Maize
Start	4	End	241
GI	none	Score	116
Exons	4..216, 5..241, 57..218		

Seq. No.	19441	Seq. ID	OJ990416_05.9A01.C31
Gene No.	40610	Strand	+
Start	490	End	663
Name	OJ990416_05.9A01.C31.o1.gs	Method	GENSCAN
Start	490	End	663
GI	none	Score	.95
Exons	490..663		

Seq. No.	19442	Seq. ID	OJ990416_05.9A01.C32
Gene No.	40611	Strand	+
Start	43	End	222
Name	OJ990416_05.9A01.C32.o1.gs	Method	GENSCAN
Start	43	End	222
GI	none	Score	.98
Exons	43..222		

Seq. No.	19443	Seq. ID	OJ990416_05.9A01.C35
Gene No.	40612	Strand	-
Start	1	End	692

Name	OJ990416_05.9A01.C35.o1.gp	Method	AAT/GAP
Start	1	End	149
GI	101595_1.R1084	Score	290
Exons	1..149		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	19443	Seq. ID	OJ990416_05.9A01.C35
Gene No.	40612	Strand	-
Start	1	End	692
Name	OJ990416_05.9A01.C35.o1.np	Method	AAT/NAP
Start	1	End	191
GI	6630696	Score	297
Exons	1..191		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	19443	Seq. ID	OJ990416_05.9A01.C35
Gene No.	40612	Strand	-
Start	1	End	692
Name	OJ990416_05.9A01.C35.o1.gs	Method	GENSCAN
Start	57	End	692
GI	none	Score	.78
Exons	57..692		

Seq. No.	19443	Seq. ID	OJ990416_05.9A01.C35
Gene No.	40613	Strand	-
Start	768	End	1056
Name	OJ990416_05.9A01.C35.o1.tw	Method	TBLASTX:Wheat
Start	1	End	301
GI	none	Score	88
Exons	1..192, 1..84, 3..185, 162..296, 182..301, 199..297		

Seq. No.	19443	Seq. ID	OJ990416_05.9A01.C35
Gene No.	40613	Strand	-
Start	768	End	1056
Name	OJ990416_05.9A01.C35.o2.gp	Method	AAT/GAP
Start	768	End	1056
GI	426253	Score	506
Exons	768..1056		

Seq. No.	19444	Seq. ID	OJ990416_05.9A01.C38
Gene No.	40614	Strand	+
Start	377	End	604
Name	OJ990416_05.9A01.C38.o1.gs	Method	GENSCAN
Start	377	End	604
GI	none	Score	.48
Exons	377..395, 510..604		

Seq. No.	19445	Seq. ID	OJ990416_05.9A01.C39
Gene No.	40615	Strand	-
Start	213	End	389
Name	OJ990416_05.9A01.C39.o1.gs	Method	GENSCAN
Start	213	End	389
GI	none	Score	.84
Exons	213..389		

Seq. No.	19446	Seq. ID	OJ990416_05.9A01.C46
Gene No.	40616	Strand	+
Start	1	End	693
Name	OJ990416_05.9A01.C46.o1.np	Method	AAT/NAP
Start	1	End	693
GI	6539581	Score	748
Exons	1..693		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	19446	Seq. ID	OJ990416_05.9A01.C46
Gene No.	40616	Strand	+
Start	1	End	693
Name	OJ990416_05.9A01.C46.o1.tm	Method	TBLASTX:Maize
Start	47	End	440
GI	none	Score	145
Exons	47..253, 68..250, 249..440, 259..429, 264..437		

Seq. No.	19446	Seq. ID	OJ990416_05.9A01.C46
Gene No.	40616	Strand	+
Start	1	End	693
Name	OJ990416_05.9A01.C46.o1.ts	Method	TBLASTX:Soybean
Start	104	End	651
GI	none	Score	155
Exons	104..250, 145..252, 166..252, 238..477, 252..389, 253..447, 481..651		

Seq. No.	19446	Seq. ID	OJ990416_05.9A01.C46
Gene No.	40616	Strand	+
Start	1	End	693
Name	OJ990416_05.9A01.C46.o1.tw	Method	TBLASTX:Wheat
Start	276	End	693
GI	none	Score	177
Exons	276..452, 277..477, 493..693		

Seq. No.	19447	Seq. ID	OJ990416_05.9A01.C48
Gene No.	40617	Strand	-
Start	292	End	378
Name	OJ990416_05.9A01.C48.o1.gs	Method	GENSCAN
Start	292	End	378
GI	none	Score	.94
Exons	292..378		

Seq. No.	19448	Seq. ID	OJ990416_05.9A01.C49
Gene No.	40618	Strand	-
Start	21	End	472
Name	OJ990416_05.9A01.C49.o1.gs	Method	GENSCAN
Start	21	End	472
GI	none	Score	.44
Exons	21..156, 171..331, 357..472		

Seq. No.	19449	Seq. ID	OJ990416_05.9A01.C50
Gene No.	40619	Strand	+
Start	126	End	440
Name	OJ990416_05.9A01.C50.o1.gs	Method	GENSCAN
Start	126	End	440

GI	none	Score	.85
Exons	126..191, 296..440		

Seq. No.	19450	Seq. ID	OJ990416_05.9A01.C52
Gene No.	40620	Strand	-
Start	298	End	347
Name	OJ990416_05.9A01.C52.o1.gs	Method	GENSCAN
Start	298	End	347
GI	none	Score	.84
Exons	298..347		

Seq. No.	19450	Seq. ID	OJ990416_05.9A01.C52
Gene No.	40621	Strand	-
Start	298	End	455
Name	OJ990416_05.9A01.C52.o1.gp	Method	AAT/GAP
Start	298	End	455
GI	1631921	Score	299
Exons	298..455		

Seq. No.	19451	Seq. ID	OJ990416_05.9A01.C54
Gene No.	40622	Strand	+
Start	383	End	673
Name	OJ990416_05.9A01.C54.o1.gs	Method	GENSCAN
Start	383	End	673
GI	none	Score	.51
Exons	383..673		

Seq. No.	19452	Seq. ID	OJ990416_05.9A01.C55
Gene No.	40623	Strand	-
Start	1	End	445
Name	OJ990416_05.9A01.C55.o1.np	Method	AAT/NAP
Start	1	End	445
GI	6630696	Score	739
Exons	1..445		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	19452	Seq. ID	OJ990416_05.9A01.C55
Gene No.	40623	Strand	-
Start	1	End	445
Name	OJ990416_05.9A01.C55.o1.tm	Method	TBLASTX:Maize
Start	34	End	409
GI	none	Score	86
Exons	34..408, 47..253, 193..273, 278..409		

Seq. No.	19452	Seq. ID	OJ990416_05.9A01.C55
Gene No.	40623	Strand	-
Start	1	End	445
Name	OJ990416_05.9A01.C55.o1.tw	Method	TBLASTX:Wheat
Start	64	End	408
GI	none	Score	99
Exons	64..408, 116..391		

Seq. No.	19452	Seq. ID	OJ990416_05.9A01.C55
Gene No.	40623	Strand	-
Start	1	End	445

Name	OJ990416_05.9A01.C55.o1.ts	Method	TBLASTX:Soybean
Start	79	End	441
GI	5509260	Score	59
Exons	79..441, 193..360, 287..439		
GI Descrip.	-		
Seq. No.	19452	Seq. ID	OJ990416_05.9A01.C55
Gene No.	40623	Strand	-
Start	1	End	445
Name	OJ990416_05.9A01.C55.o1.tc	Method	TBLASTX:Cress
Start	190	End	444
GI	none	Score	98
Exons	190..444, 278..442		
Seq. No.	19453	Seq. ID	OJ990416_05.9A01.C56
Gene No.	40624	Strand	-
Start	135	End	331
Name	OJ990416_05.9A01.C56.o1.gs	Method	GENSCAN
Start	135	End	331
GI	none	Score	.5
Exons	135..331		
Seq. No.	19454	Seq. ID	OJ990416_05.9A01.C58
Gene No.	40625	Strand	+
Start	168	End	350
Name	OJ990416_05.9A01.C58.o1.gs	Method	GENSCAN
Start	168	End	350
GI	none	Score	.97
Exons	168..350		
Seq. No.	19455	Seq. ID	OJ990416_05.9A01.C59
Gene No.	40626	Strand	+
Start	453	End	555
Name	OJ990416_05.9A01.C59.o1.gs	Method	GENSCAN
Start	453	End	555
GI	none	Score	.67
Exons	453..555		
Seq. No.	19456	Seq. ID	OJ990416_05.9A01.C63
Gene No.	40627	Strand	+
Start	99	End	434
Name	OJ990416_05.9A01.C63.o1.gs	Method	GENSCAN
Start	99	End	434
GI	none	Score	1
Exons	99..153, 373..434		
Seq. No.	19457	Seq. ID	OJ990416_05.9A01.C65
Gene No.	40628	Strand	+
Start	452	End	585
Name	OJ990416_05.9A01.C65.o1.gs	Method	GENSCAN
Start	452	End	585
GI	none	Score	.72
Exons	452..585		
Seq. No.	19458	Seq. ID	OJ990416_05.9A01.C66
Gene No.	40629	Strand	-
Start	272	End	327

Name	OJ990416_05.9A01.C66.o1.gs	Method	GENSCAN
Start	272	End	327
GI	none	Score	.9
Exons	272..327		

Seq. No.	19459	Seq. ID	OJ990416_05.9A01.C67
Gene No.	40630	Strand	-
Start	190	End	391
Name	OJ990416_05.9A01.C67.o1.gs	Method	GENSCAN
Start	190	End	391
GI	none	Score	.99
Exons	190..391		

Seq. No.	19460	Seq. ID	OJ990416_05.9A01.C70
Gene No.	40631	Strand	+
Start	182	End	300
Name	OJ990416_05.9A01.C70.o1.gs	Method	GENSCAN
Start	182	End	300
GI	none	Score	.59
Exons	182..236, 275..300		

Seq. No.	19461	Seq. ID	OJ990416_05.9A01.C71
Gene No.	40632	Strand	+
Start	1	End	242
Name	OJ990416_05.9A01.C71.o1.np	Method	AAT/NAP
Start	1	End	242
GI	1495768	Score	215
Exons	1..242		
GI Descrip.	(Z68506) chloroplast inner envelope protein, 110 kD (IEP110) [Pisum sativum]		

Seq. No.	19461	Seq. ID	OJ990416_05.9A01.C71
Gene No.	40632	Strand	+
Start	1	End	242
Name	OJ990416_05.9A01.C71.o1.tm	Method	TBLASTX:Maize
Start	1	End	242
GI	none	Score	377
Exons	1..240, 2..241, 3..242, 3..242		

Seq. No.	19461	Seq. ID	OJ990416_05.9A01.C71
Gene No.	40632	Strand	+
Start	1	End	242
Name	OJ990416_05.9A01.C71.o1.ts	Method	TBLASTX:Soybean
Start	2	End	241
GI	none	Score	262
Exons	2..241, 4..240		

Seq. No.	19462	Seq. ID	OJ990416_05.9A01.C74
Gene No.	40633	Strand	+
Start	774	End	1311
Name	OJ990416_05.9A01.C74.o1.gs	Method	GENSCAN
Start	774	End	1270
GI	none	Score	.55
Exons	774..1121, 1177..1270		

Seq. No.	19462	Seq. ID	OJ990416_05.9A01.C74
Gene No.	40633	Strand	+

Start	774	End	1311
Name	OJ990416_05.9A01.C74.o1.np	Method	AAT/NAP
Start	774	End	1311
GI	2266666	Score	449
Exons	774..1311		
GI Descrip.	(Y14202) hypothetical protein [Hordeum vulgare]		

Seq. No.	19462	Seq. ID	OJ990416_05.9A01.C74
Gene No.	40633	Strand	+
Start	774	End	1311
Name	OJ990416_05.9A01.C74.o1.tm	Method	TBLASTX:Maize
Start	843	End	1187
GI	none	Score	204
Exons	843..983, 866..982, 891..986, 995..1102, 996..1106, 1116..1148, 1147..1179, 1149..1187		

Seq. No.	19462	Seq. ID	OJ990416_05.9A01.C74
Gene No.	40633	Strand	+
Start	774	End	1311
Name	OJ990416_05.9A01.C74.o1.ts	Method	TBLASTX:Soybean
Start	849	End	1309
GI	none	Score	104
Exons	849..980, 978..1097, 995..1096, 1116..1148, 1147..1179, 1149..1178, 1216..1254, 1268..1309		

Seq. No.	19462	Seq. ID	OJ990416_05.9A01.C74
Gene No.	40633	Strand	+
Start	774	End	1311
Name	OJ990416_05.9A01.C74.o1.gp	Method	AAT/GAP
Start	1164	End	1311
GI	LIB3432-008-P1-K1-E12	Score	250
Exons	1164..1311		
GI Descrip.	'2266664/emb|CAA74593| 7.0e-35 (Y14201) hypothetical protein [Hordeum vulgare]'		

Seq. No.	19463	Seq. ID	OJ990416_05.9A01.C75
Gene No.	40634	Strand	-
Start	1	End	237
Name	OJ990416_05.9A01.C75.o1.np	Method	AAT/NAP
Start	1	End	237
GI	2266664	Score	223
Exons	1..237		
GI Descrip.	(Y14201) hypothetical protein [Hordeum vulgare]		

Seq. No.	19463	Seq. ID	OJ990416_05.9A01.C75
Gene No.	40634	Strand	-
Start	1	End	237
Name	OJ990416_05.9A01.C75.o1.gs	Method	GENSCAN
Start	79	End	237
GI	none	Score	.64
Exons	79..237		

Seq. No.	19464	Seq. ID	OJ990416_05.9A01.C76
Gene No.	40635	Strand	+
Start	244	End	447
Name	OJ990416_05.9A01.C76.o1.gs	Method	GENSCAN
Start	244	End	447

GI	none	Score	.57
Exons	244..447		

Seq. No.	19465	Seq. ID	OJ990416_05.9A01.C78
Gene No.	40636	Strand	+
Start	1	End	618
Name	OJ990416_05.9A01.C78.o1.np	Method	AAT/NAP
Start	1	End	618
GI	5852089	Score	256
Exons	1..40, 319..618		
GI Descrip.	(AL117264) zwh12.1 [Oryza sativa]		

Seq. No.	19465	Seq. ID	OJ990416_05.9A01.C78
Gene No.	40636	Strand	+
Start	1	End	618
Name	OJ990416_05.9A01.C78.o1.tm	Method	TBLASTX:Maize
Start	1	End	576
GI	none	Score	64
Exons	1..60, 301..423, 316..402, 317..433, 318..407, 352..477, 395..490, 409..477, 429..506, 478..570, 479..562, 483..569, 484..576		

Seq. No.	19466	Seq. ID	OJ990416_05.9A01.C79
Gene No.	40637	Strand	-
Start	84	End	466
Name	OJ990416_05.9A01.C79.o1.gs	Method	GENSCAN
Start	84	End	466
GI	none	Score	.82
Exons	84..152, 398..466		

Seq. No.	19467	Seq. ID	OJ990416_05.9A01.C80
Gene No.	40638	Strand	+
Start	402	End	591
Name	OJ990416_05.9A01.C80.o1.gs	Method	GENSCAN
Start	402	End	591
GI	none	Score	.72
Exons	402..591		

Seq. No.	19468	Seq. ID	OJ990416_05.9A01.C81
Gene No.	40639	Strand	
Start	442	End	549
Name	OJ990416_05.9A01.C81.o1.tm	Method	TBLASTX:Maize
Start	442	End	549
GI	none	Score	175
Exons	442..549, 443..544, 444..548		

Seq. No.	19469	Seq. ID	OJ990416_05.9A01.C86
Gene No.	40640	Strand	-
Start	1	End	1808
Name	OJ990416_05.9A01.C86.o1.gp	Method	AAT/GAP
Start	1	End	765
GI	29591_1.R1084	Score	552
Exons	1..37, 176..317, 643..765		
GI Descrip.	'2645165/dbj|D50573|D50573 3.0e-42 Oxyza sativa mRNA, similar to ribosomal protein'		

Seq. No.	19469	Seq. ID	OJ990416_05.9A01.C86

Gene No.	40640	Strand	-
Start	1	End	1808
Name	OJ990416_05.9A01.C86.o1.np	Method	AAT/NAP
Start	1	End	1808
GI	4587518	Score	579
Exons	1..37, 176..317, 643..734, 819..927, 1011..1124, 1751..1808		
GI Descrip.	(AC007060) Strong similarity to F19I3.8 gi|3033381 putative UDP-galactose-4-epimerase from Arabidopsis thaliana BAC gb|AC004238 and is a member of PF|01370 the NAD dependent epimerase/dehydratase family. EST gb|AA59...		

Seq. No.	19469	Seq. ID	OJ990416_05.9A01.C86
Gene No.	40640	Strand	-
Start	1	End	1808
Name	OJ990416_05.9A01.C86.o1.tm	Method	TBLASTX:Maize
Start	2	End	1135
GI	none	Score	138
Exons	2..49, 176..319, 177..320, 183..320, 639..731, 640..735, 642..734, 836..928, 836..913, 838..927, 1006..1062, 1011..1124, 1011..1124, 1055..1135		

Seq. No.	19469	Seq. ID	OJ990416_05.9A01.C86
Gene No.	40640	Strand	-
Start	1	End	1808
Name	OJ990416_05.9A01.C86.o1.tw	Method	TBLASTX:Wheat
Start	2	End	735
GI	none	Score	137
Exons	2..40, 176..319, 183..320, 188..334, 195..320, 639..716, 640..735, 642..734		

Seq. No.	19469	Seq. ID	OJ990416_05.9A01.C86
Gene No.	40640	Strand	-
Start	1	End	1808
Name	OJ990416_05.9A01.C86.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1082
GI	none	Score	56
Exons	2..49, 3..53, 173..316, 176..319, 183..320, 640..735, 642..734, 836..928, 838..927, 1006..1062, 1011..1082		

Seq. No.	19469	Seq. ID	OJ990416_05.9A01.C86
Gene No.	40640	Strand	-
Start	1	End	1808
Name	OJ990416_05.9A01.C86.o1.tc	Method	TBLASTX:Cress
Start	5	End	891
GI	none	Score	136
Exons	5..40, 173..319, 174..320, 250..324, 640..735, 642..734, 838..891, 839..883		

Seq. No.	19469	Seq. ID	OJ990416_05.9A01.C86
Gene No.	40640	Strand	-
Start	1	End	1808
Name	OJ990416_05.9A01.C86.o1.gs	Method	GENSCAN
Start	176	End	1124
GI	none	Score	.98
Exons	176..317, 643..734, 1011..1124		

Seq. No.	19469	Seq. ID	OJ990416_05.9A01.C86

Gene No.	40640	Strand	-
Start	1	End	1808
Name	OJ990416_05.9A01.C86.o2.tw	Method	TBLASTX:Wheat
Start	845	End	1106
GI	none	Score	73
Exons	845..928, 847..930, 990..1106, 1008..1082		

Seq. No.	19470	Seq. ID	OJ990416_05.9A01.C90
Gene No.	40641	Strand	+
Start	306	End	561
Name	OJ990416_05.9A01.C90.o1.np	Method	AAT/NAP
Start	306	End	561
GI	6539580	Score	108
Exons	306..561		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	19471	Seq. ID	OJ990416_05.9A01.C91
Gene No.	40642	Strand	+
Start	1	End	1431
Name	OJ990416_05.9A01.C91.o1.np	Method	AAT/NAP
Start	1	End	235
GI	2266666	Score	225
Exons	1..235		
GI Descrip.	(Y14202) hypothetical protein [Hordeum vulgare]		

Seq. No.	19471	Seq. ID	OJ990416_05.9A01.C91
Gene No.	40642	Strand	+
Start	1	End	1431
Name	OJ990416_05.9A01.C91.o1.gs	Method	GENSCAN
Start	59	End	1431
GI	none	Score	.74
Exons	59..225, 1330..1431		

Seq. No.	19471	Seq. ID	OJ990416_05.9A01.C91
Gene No.	40643	Strand	-
Start	1384	End	1483
Name	OJ990416_05.9A01.C91.o1.tm	Method	TBLASTX:Maize
Start	56	End	235
GI	none	Score	84
Exons	56..100, 58..99, 115..234, 116..235		

Seq. No.	19471	Seq. ID	OJ990416_05.9A01.C91
Gene No.	40643	Strand	-
Start	1384	End	1483
Name	OJ990416_05.9A01.C91.o1.ts	Method	TBLASTX:Soybean
Start	56	End	232
GI	none	Score	76
Exons	56..100, 115..231, 116..232		

Seq. No.	19471	Seq. ID	OJ990416_05.9A01.C91
Gene No.	40643	Strand	-
Start	1384	End	1483
Name	OJ990416_05.9A01.C91.o2.np	Method	AAT/NAP
Start	1384	End	1483
GI	5852084	Score	96
Exons	1384..1483		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	19472	Seq. ID	OJ990416_05.9A01.C93
Gene No.	40644	Strand	-
Start	314	End	471
Name	OJ990416_05.9A01.C93.o1.gs	Method	GENSCAN
Start	314	End	471
GI	none	Score	.89
Exons	314..471		

Seq. No.	19473	Seq. ID	OJ990416_05.9A01.C98
Gene No.	40645	Strand	+
Start	386	End	510
Name	OJ990416_05.9A01.C98.o1.gp	Method	AAT/GAP
Start	386	End	510
GI	286336	Score	246
Exons	386..510		

Seq. No.	19473	Seq. ID	OJ990416_05.9A01.C98
Gene No.	40646	Strand	-
Start	243	End	510
Name	OJ990416_05.9A01.C98.o1.np	Method	AAT/NAP
Start	199	End	510
GI	82733	Score	254
Exons	199..510		
GI Descrip.	ubiquitin fusion protein UBF9 - maize gi|168651 (M68937) ubiquitin fusion protein [Zea mays] gi|902527 (U29161) ubiquitin fusion protein [Zea mays] gi|1589388|prf||2211240B ubiquitin fusion protein [Zea mays]		

Seq. No.	19473	Seq. ID	OJ990416_05.9A01.C98
Gene No.	40646	Strand	-
Start	243	End	510
Name	OJ990416_05.9A01.C98.o1.gs	Method	GENSCAN
Start	243	End	428
GI	none	Score	.78
Exons	243..428		

Seq. No.	19474	Seq. ID	OJ990416_05.9A01.C100
Gene No.	40647	Strand	+
Start	30	End	318
Name	OJ990416_05.9A01.C100.o1.gs	Method	GENSCAN
Start	30	End	318
GI	none	Score	.84
Exons	30..187, 216..318		

Seq. No.	19475	Seq. ID	OJ990416_05.9A01.C101
Gene No.	40648	Strand	-
Start	29	End	182
Name	OJ990416_05.9A01.C101.o1.gs	Method	GENSCAN
Start	29	End	182
GI	none	Score	.91
Exons	29..182		

Seq. No.	19475	Seq. ID	OJ990416_05.9A01.C101
Gene No.	40649	Strand	
Start	105	End	272
Name	OJ990416_05.9A01.C101.o1.ts	Method	TBLASTX:Soybean

Start	105	End	272
GI	none	Score	89
Exons	105..227, 105..272, 181..267		

Seq. No.	19476	Seq. ID	OJ990416_05.9A01.C106
Gene No.	40650	Strand	+
Start	312	End	680
Name	OJ990416_05.9A01.C106.o1.tm	Method	TBLASTX:Maize
Start	266	End	402
GI	none	Score	78
Exons	266..394, 266..400, 267..401, 286..402		

Seq. No.	19476	Seq. ID	OJ990416_05.9A01.C106
Gene No.	40650	Strand	+
Start	312	End	680
Name	OJ990416_05.9A01.C106.o1.gs	Method	GENSCAN
Start	312	End	680
GI	none	Score	.79
Exons	312..439, 575..680		

Seq. No.	19477	Seq. ID	OJ990416_05.9A01.C107
Gene No.	40651	Strand	-
Start	289	End	542
Name	OJ990416_05.9A01.C107.o1.gs	Method	GENSCAN
Start	289	End	542
GI	none	Score	.79
Exons	289..424, 439..542		

Seq. No.	19478	Seq. ID	OJ990416_05.9A01.C108
Gene No.	40652	Strand	-
Start	1	End	706
Name	OJ990416_05.9A01.C108.o1.np	Method	AAT/NAP
Start	1	End	706
GI	4567246	Score	101
Exons	1..18, 152..233, 317..380, 658..706		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	19478	Seq. ID	OJ990416_05.9A01.C108
Gene No.	40652	Strand	-
Start	1	End	706
Name	OJ990416_05.9A01.C108.o1.tm	Method	TBLASTX:Maize
Start	109	End	380
GI	none	Score	45
Exons	109..162, 115..174, 117..194, 174..233, 177..233, 202..234, 309..380, 329..379		

Seq. No.	19478	Seq. ID	OJ990416_05.9A01.C108
Gene No.	40652	Strand	-
Start	1	End	706
Name	OJ990416_05.9A01.C108.o1.gp	Method	AAT/GAP
Start	118	End	380
GI	19237_1.R1084	Score	291
Exons	118..233, 317..380		
GI Descrip.	'4567246/gb|AAD23660.1|AC007070_9 2.0e-55 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	19479	Seq. ID	OJ990416_05.9A01.C112

Gene No.	40653	Strand	-
Start	94	End	371
Name	OJ990416_05.9A01.C112.o1.gs	Method	GENSCAN
Start	94	End	371
GI	none	Score	.67
Exons	94..191, 327..371		

Seq. No.	19480	Seq. ID	OJ990416_05.9A01.C113
Gene No.	40654	Strand	-
Start	374	End	540
Name	OJ990416_05.9A01.C113.o1.tm	Method	TBLASTX:Maize
Start	367	End	540
GI	none	Score	153
Exons	367..537, 399..536, 400..540		

Seq. No.	19480	Seq. ID	OJ990416_05.9A01.C113
Gene No.	40654	Strand	-
Start	374	End	540
Name	OJ990416_05.9A01.C113.o1.np	Method	AAT/NAP
Start	374	End	539
GI	4538961	Score	206
Exons	374..539		
GI Descrip.	(AL049488) isoleucine-tRNA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	19481	Seq. ID	OJ990416_03.9A01.C1
Gene No.	40655	Strand	-
Start	183	End	248
Name	OJ990416_03.9A01.C1.o1.gs	Method	GENSCAN
Start	183	End	248
GI	none	Score	.55
Exons	183..248		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40656	Strand	+
Start	14	End	2496
Name	OJ990416_03.9A01.C3.o1.gs	Method	GENSCAN
Start	14	End	2496
GI	none	Score	.56
Exons	14..238, 331..1058, 2427..2496		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40656	Strand	+
Start	14	End	2496
Name	OJ990416_03.9A01.C3.o1.gp	Method	AAT/GAP
Start	515	End	1448
GI	14954_1.R1084	Score	1754
Exons	515..1448		
GI Descrip.	'4760700/dbj|BAA77387.1| 3.0e-33 (AB024437) peroxidase 1 [Scutellaria baicalensis]'		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40657	Strand	+
Start	3582	End	12458
Name	OJ990416_03.9A01.C3.o1.np	Method	AAT/NAP
Start	3582	End	12455
GI	4760700	Score	629

Exons	3582..3647, 11018..11149, 11694..12455		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		
Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40657	Strand	+
Start	3582	End	12458
Name	OJ990416_03.9A01.C3.o3.gs	Method	GENSCAN
Start	10892	End	12458
GI	none	Score	.56
Exons	10892..11149, 11694..12458		
Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40658	Strand	+
Start	22034	End	26576
Name	OJ990416_03.9A01.C3.o5.gs	Method	GENSCAN
Start	22034	End	22480
GI	none	Score	.84
Exons	22034..22346, 22449..22480		
Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40658	Strand	+
Start	22034	End	26576
Name	OJ990416_03.9A01.C3.o3.gp	Method	AAT/GAP
Start	22321	End	22602
GI	2797644	Score	302
Exons	22321..22346, 22449..22602		
Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40658	Strand	+
Start	22034	End	26576
Name	OJ990416_03.9A01.C3.o2.np	Method	AAT/NAP
Start	22462	End	26576
GI	6091756	Score	450
Exons	22462..22513, 25288..25439, 25817..26576		
GI Descrip.	(AC009327) putative peroxidase [Arabidopsis thaliana]		
Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40658	Strand	+
Start	22034	End	26576
Name	OJ990416_03.9A01.C3.o6.gs	Method	GENSCAN
Start	25206	End	26497
GI	none	Score	.63
Exons	25206..25439, 25817..26497		
Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	27	End	25923
GI	none	Score	42
Exons	27..104, 58..237, 89..238, 330..437, 337..435, 11011..11148, 11012..11149, 11687..11782, 11688..11798, 25301..25462, 25302..25439, 25807..25923, 25811..25921		
Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465

Name	OJ990416_03.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	49	End	26260
GI	none	Score	173
Exons	49..237, 89..238, 330..713, 337..714, 711..734, 11012..11149, 11035..11148, 11687..11845, 11688..12077, 11915..12076, 12063..12137, 25302..25439, 25325..25438, 25807..26199, 25811..26200, 26186..26260		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o1.tc	Method	TBLASTX:Cress
Start	101	End	26576
GI	none	Score	74
Exons	101..235, 330..401, 337..402, 394..534, 417..518, 547..777, 555..776, 835..972, 11012..11146, 11688..11768, 11772..11879, 11910..12098, 12189..12326, 12366..12452, 25290..25436, 25699..25770, 25807..25884, 25811..25888, 25883..26002, 25903..25998, 26030..26221, 26041..26235, 26349..26450, 26490..26576		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	101	End	26576
GI	none	Score	72
Exons	101..235, 190..234, 351..533, 376..534, 562..735, 832..1098, 852..1100, 11000..11146, 11038..11145, 11688..11759, 11745..11879, 11907..12098, 12108..12452, 12218..12454, 25302..25436, 25328..25459, 25811..25891, 25867..25998, 25868..26002, 26030..26221, 26343..26576		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o3.tw	Method	TBLASTX:Wheat
Start	442	End	26221
GI	none	Score	96
Exons	442..534, 450..533, 553..735, 609..713, 11826..11891, 11916..12098, 25928..26014, 25936..25995, 26029..26064, 26030..26221, 26095..26199		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o2.tm	Method	TBLASTX:Maize
Start	757	End	26576
GI	none	Score	47
Exons	757..813, 759..815, 816..923, 835..924, 837..923, 851..931, 921..965, 924..965, 925..969, 969..1085, 970..1098, 12143..12277, 12144..12278, 12275..12319, 12279..12323, 12323..12451, 12324..12452, 26261..26353, 26266..26349, 26338..26376, 26342..26401, 26343..26402, 26403..26438, 26446..26535, 26447..26566, 26447..26572, 26457..26576, 26490..26576		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o4.tm	Method	TBLASTX:Maize
Start	14752	End	15141
GI	none	Score	51
Exons	14752..15081, 15079..15141		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o3.tm	Method	TBLASTX:Maize
Start	22058	End	22348
GI	none	Score	350
Exons	22058..22348, 22111..22347		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o2.tw	Method	TBLASTX:Wheat
Start	22115	End	22285
GI	none	Score	278
Exons	22115..22285, 22123..22257		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o3.np	Method	AAT/NAP
Start	26914	End	28465
GI	6721512	Score	80
Exons	26914..26929, 28213..28465		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	19482	Seq. ID	OJ990416_03.9A01.C3
Gene No.	40659	Strand	-
Start	26914	End	28465
Name	OJ990416_03.9A01.C3.o7.gs	Method	GENSCAN
Start	28192	End	28278
GI	none	Score	.42
Exons	28192..28278		

Seq. No.	19483	Seq. ID	OJ990416_03.9A01.C4
Gene No.	40660	Strand	+
Start	3128	End	5135
Name	OJ990416_03.9A01.C4.o1.gs	Method	GENSCAN
Start	3128	End	5135
GI	none	Score	.83
Exons	3128..3424, 3540..3667, 3933..4018, 4239..4363, 5034..5135		

Seq. No.	19483	Seq. ID	OJ990416_03.9A01.C4
Gene No.	40661	Strand	+
Start	6631	End	7784
Name	OJ990416_03.9A01.C4.o2.gs	Method	GENSCAN
Start	6631	End	7766
GI	none	Score	.99
Exons	6631..6888, 7005..7766		

Seq. No.	19483	Seq. ID	OJ990416_03.9A01.C4
Gene No.	40661	Strand	+
Start	6631	End	7784
Name	OJ990416_03.9A01.C4.o1.np	Method	AAT/NAP
Start	6691	End	7766
GI	4760700	Score	642
Exons	6691..6888, 7005..7766		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	19483	Seq. ID	OJ990416_03.9A01.C4
Gene No.	40661	Strand	+
Start	6631	End	7784
Name	OJ990416_03.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	6739	End	7784
GI	none	Score	135
Exons	6739..6885, 6756..6884, 6989..7075, 6990..7076, 7071..7190, 7091..7186, 7218..7409, 7229..7423, 7494..7637, 7677..7784		

Seq. No.	19483	Seq. ID	OJ990416_03.9A01.C4
Gene No.	40661	Strand	+
Start	6631	End	7784
Name	OJ990416_03.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	6751	End	7424
GI	none	Score	151
Exons	6751..6888, 6774..6887, 6977..7387, 6990..7388, 7374..7424		

Seq. No.	19483	Seq. ID	OJ990416_03.9A01.C4
Gene No.	40661	Strand	+
Start	6631	End	7784
Name	OJ990416_03.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	6751	End	7409
GI	none	Score	104
Exons	6751..6888, 6759..6812, 6855..6887, 6989..7189, 6990..7190, 7221..7409, 7235..7399		

Seq. No.	19483	Seq. ID	OJ990416_03.9A01.C4
Gene No.	40661	Strand	+
Start	6631	End	7784
Name	OJ990416_03.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	6751	End	7766
GI	none	Score	109
Exons	6751..6885, 6777..6884, 6990..7079, 7055..7186, 7056..7190, 7218..7409, 7419..7766		

Seq. No.	19483	Seq. ID	OJ990416_03.9A01.C4
Gene No.	40661	Strand	+
Start	6631	End	7784
Name	OJ990416_03.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	7424	End	7763
GI	none	Score	232
Exons	7424..7588, 7425..7589, 7586..7630, 7590..7634, 7634..7762, 7635..7763		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40662	Strand	+
Start	863	End	4432
Name	OJ990416_03.9A01.C5.o1.np	Method	AAT/NAP

Start	863	End	4429
GI	6691205	Score	1199
Exons	863..946, 2939..4429		
GI Descrip.	(AC007508) F1K23.9 [Arabidopsis thaliana]		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40662	Strand	+
Start	863	End	4432
Name	OJ990416_03.9A01.C5.o1.gs	Method	GENSCAN
Start	3149	End	4432
GI	none	Score	.49
Exons	3149..4432		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40663	Strand	+
Start	15928	End	16868
Name	OJ990416_03.9A01.C5.o3.gs	Method	GENSCAN
Start	15928	End	16843
GI	none	Score	.54
Exons	15928..16120, 16601..16643, 16674..16843		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40663	Strand	+
Start	15928	End	16868
Name	OJ990416_03.9A01.C5.o3.gp	Method	AAT/GAP
Start	16711	End	16868
GI	53137_1.R1084	Score	316
Exons	16711..16868		
GI Descrip.	'3746431 5.0e-88 (AF038585) pyruvate dehydrogenase kinase isoform 1; PDK1 [Zea mays]'		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	3107	End	4060
GI	none	Score	65
Exons	3107..3244, 3380..3580, 3392..3619, 3407..3562, 3614..3946, 3650..3754, 3674..3958, 3728..3958, 3751..3948, 3818..3946, 3965..4060		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	3380	End	4417
GI	none	Score	72
Exons	3380..3511, 3389..3547, 3419..3547, 3524..3592, 3620..3757, 3641..3733, 3659..3949, 3662..3946, 3674..3949, 3796..3945, 3959..4273, 3968..4048, 4003..4185, 4292..4417		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o2.ts	Method	TBLASTX:Soybean
Start	3380	End	3946
GI	none	Score	102

Exons	3380..3568, 3656..3946, 3781..3936		
Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	3380	End	4099
GI	none	Score	97
Exons	3380..3562, 3464..3619, 3620..3703, 3620..3946, 3634..3924, 3968..4099, 3968..4069		
Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	3977	End	4456
GI	none	Score	222
Exons	3977..4273, 4292..4456		
Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o3.tc	Method	TBLASTX:Cress
Start	4064	End	4420
GI	none	Score	128
Exons	4064..4237, 4268..4420		
Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o1.gp	Method	AAT/GAP
Start	4731	End	5926
GI	12481_1.R1084	Score	971
Exons	4731..4992, 5369..5443, 5527..5619, 5740..5796, 5869..5926		
GI Descrip.	'5733886/gb|AAD49774.1|AC007932_22 2.0e-41 (AC007932) F11A17.20 [Arabidopsis thaliana]'		
Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o2.gs	Method	GENSCAN
Start	4876	End	15077
GI	none	Score	.56
Exons	4876..4992, 5369..5443, 5527..5619, 5740..5796, 5869..5948, 6522..6625, 6841..6878, 6959..7052, 7358..7450, 8507..8627, 9789..9855, 10017..10186, 10540..10646, 12398..12434, 14993..15077		
Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o2.np	Method	AAT/NAP
Start	4906	End	8583
GI	5733886	Score	671
Exons	4906..4992, 5369..5443, 5527..5619, 5740..5796, 5869..5948, 6522..6625, 6841..6878, 6959..7052, 7358..7450, 8507..8583		
GI Descrip.	(AC007932) F11A17.20 [Arabidopsis thaliana]		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o3.ts	Method	TBLASTX:Soybean
Start	4928	End	7451
GI	none	Score	76
Exons	4928..4990, 4930..4995, 4930..4995, 5366..5446, 5367..5447, 5527..5622, 5534..5620, 5854..5952, 6843..6878, 6956..7051, 7348..7449, 7350..7451		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o2.tm	Method	TBLASTX:Maize
Start	4930	End	8590
GI	none	Score	88
Exons	4930..4995, 4931..4993, 5366..5446, 5370..5501, 5525..5623, 5525..5614, 5526..5621, 5527..5622, 5740..5787, 6829..6879, 6840..6878, 6956..7051, 6966..7052, 6967..7053, 7348..7452, 7359..7454, 7360..7473, 8506..8586, 8507..8590		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o2.tc	Method	TBLASTX:Cress
Start	5366	End	6998
GI	none	Score	89
Exons	5366..5446, 5373..5462, 5524..5622, 5527..5622, 5534..5632, 5759..5797, 5849..5947, 5854..5952, 5856..5954, 6559..6600, 6829..6879, 6960..6998		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o2.gp	Method	AAT/GAP
Start	6553	End	8778
GI	48318_1.R1084	Score	928
Exons	6553..6625, 6841..6878, 6959..7052, 7358..7450, 8507..8778		
GI Descrip.	'5733886/gb|AAD49774.1|AC007932_22 2.0e-41 (AC007932) F11A17.20 [Arabidopsis thaliana]'		

Seq. No.	19484	Seq. ID	OJ990416_03.9A01.C5
Gene No.	40664	Strand	-
Start	4876	End	15077
Name	OJ990416_03.9A01.C5.o3.np	Method	AAT/NAP
Start	8800	End	12026
GI	5852093	Score	109
Exons	8800..8822, 10509..10646, 11961..12026		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40665	Strand	+
Start	1	End	3866
Name	OJ990416_03.9A01.C6.o1.gp	Method	AAT/GAP
Start	1	End	2034
GI	53137_1.R1084	Score	1039

Exons	1..156, 1126..1387, 1900..2034		
GI Descrip.	'3746431 5.0e-88 (AF038585) pyruvate dehydrogenase kinase isoform 1; PDK1 [Zea mays]'		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40665	Strand	+
Start	1	End	3866
Name	OJ990416_03.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	3626
GI	3746431	Score	1398
Exons	1..156, 1126..1387, 1900..2080, 2408..2555, 3103..3307, 3571..3626		
GI Descrip.	(AF038585) pyruvate dehydrogenase kinase isoform 1; PDK1 [Zea mays]		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40665	Strand	+
Start	1	End	3866
Name	OJ990416_03.9A01.C6.o1.gs	Method	GENSCAN
Start	10	End	3629
GI	none	Score	.91
Exons	10..156, 1126..1387, 1900..2080, 2408..2555, 3103..3307, 3571..3629		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40665	Strand	+
Start	1	End	3866
Name	OJ990416_03.9A01.C6.o2.gp	Method	AAT/GAP
Start	2424	End	3866
GI	24055_2.R1084	Score	1185
Exons	2424..2555, 3103..3307, 3571..3866		
GI Descrip.	'3522946/gb|AAC34228.1| 6.0e-28 (AC004411) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40666	Strand	+
Start	6510	End	11103
Name	OJ990416_03.9A01.C6.o3.gs	Method	GENSCAN
Start	6510	End	11103
GI	none	Score	.77
Exons	6510..6607, 7278..7546, 7669..10306, 10402..10486, 11011..11103		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40666	Strand	+
Start	6510	End	11103
Name	OJ990416_03.9A01.C6.o2.np	Method	AAT/NAP
Start	7249	End	10609
GI	6899930	Score	666
Exons	7249..7546, 7669..8040, 8494..8922, 9553..10306, 10402..10609		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40666	Strand	+
Start	6510	End	11103
Name	OJ990416_03.9A01.C6.o3.np	Method	AAT/NAP
Start	7490	End	10609
GI	6899930	Score	539

Exons	7490..7546, 7669..8040, 8494..8922, 9553..10306, 10402..10609		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		
Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40666	Strand	+
Start	6510	End	11103
Name	OJ990416_03.9A01.C6.o4.np	Method	AAT/NAP
Start	7585	End	10609
GI	6899930	Score	483
Exons	7585..8040, 8494..8922, 9553..10306, 10402..10609		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		
Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40667	Strand	-
Start	3831	End	4736
Name	OJ990416_03.9A01.C6.o2.gs	Method	GENSCAN
Start	3831	End	4736
GI	none	Score	.42
Exons	3831..3929, 4053..4170, 4390..4736		
Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	1	End	3632
GI	none	Score	214
Exons	1..159, 3..62, 126..158, 1114..1293, 1114..1287, 1321..1389, 1323..1394, 1890..2090, 1898..2089, 2402..2563, 2403..2558, 3097..3195, 3110..3226, 3111..3212, 3175..3309, 3210..3311, 3570..3632		
Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o5.tm	Method	TBLASTX:Maize
Start	1	End	1940
GI	none	Score	238
Exons	1..159, 2..40, 4..84, 6..158, 1890..1940, 1898..1939		
Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o2.ts	Method	TBLASTX:Soybean
Start	1	End	2092
GI	none	Score	200
Exons	1..159, 1..84, 1114..1293, 1122..1286, 1190..1297, 1301..1381, 1323..1394, 1327..1389, 1327..1398, 1890..2090, 1898..2092		
Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	1078	End	3171
GI	none	Score	412
Exons	1078..1110, 1102..1389, 1122..1388, 1940..2083, 1941..2081, 1952..2083, 2403..2558, 2408..2554, 3097..3171, 3097..3171		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o5.ts	Method	TBLASTX:Soybean
Start	2387	End	3623
GI	none	Score	213
Exons	2387..2563, 2403..2558, 3569..3622, 3570..3623		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	3088	End	3294
GI	none	Score	335
Exons	3088..3294, 3138..3293		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o6.tm	Method	TBLASTX:Maize
Start	3171	End	3813
GI	none	Score	234
Exons	3171..3311, 3172..3309, 3172..3318, 3173..3331, 3569..3634, 3570..3701, 3670..3726, 3672..3725, 3766..3789, 3769..3813		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o4.tm	Method	TBLASTX:Maize
Start	7332	End	7865
GI	none	Score	77
Exons	7332..7373, 7333..7383, 7423..7497, 7453..7551, 7455..7574, 7655..7738, 7665..7757, 7665..7751, 7721..7861, 7758..7865, 7765..7860, 7814..7864		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o4.ts	Method	TBLASTX:Soybean
Start	7332	End	7760
GI	none	Score	84
Exons	7332..7379, 7333..7383, 7452..7547, 7456..7551, 7655..7738, 7665..7760, 7668..7760		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o2.tc	Method	TBLASTX:Cress
Start	7668	End	7910
GI	none	Score	203
Exons	7668..7910		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o3.ts	Method	TBLASTX:Soybean
Start	9984	End	10540

GI	none	Score	110
Exons	9984..10145, 9992..10141, 10122..10223, 10221..10307, 10399..10539, 10400..10540		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	10002	End	10558
GI	none	Score	129
Exons	10002..10145, 10006..10146, 10007..10150, 10009..10146, 10131..10307, 10155..10307, 10156..10308, 10160..10309, 10392..10535, 10399..10533, 10400..10540, 10400..10558		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o4.gs	Method	GENSCAN
Start	11795	End	12677
GI	none	Score	.64
Exons	11795..12025, 12080..12448, 12489..12677		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o5.np	Method	AAT/NAP
Start	11801	End	12744
GI	5932541	Score	235
Exons	11801..12744		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o7.tm	Method	TBLASTX:Maize
Start	11804	End	12020
GI	none	Score	52
Exons	11804..11947, 11805..11849, 11840..11878, 11975..12019, 11976..12020		

Seq. No.	19485	Seq. ID	OJ990416_03.9A01.C6
Gene No.	40668	Strand	-
Start	11795	End	12744
Name	OJ990416_03.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	12524	End	12698
GI	none	Score	152
Exons	12524..12655, 12525..12698, 12526..12684, 12639..12686		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40669	Strand	+
Start	1461	End	3239
Name	OJ990416_03.9A01.C7.o1.gs	Method	GENSCAN
Start	1461	End	3239
GI	none	Score	.44
Exons	1461..1891, 2614..2706, 3143..3239		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7

Gene No.	40670	Strand	+
Start	3685	End	5014
Name	OJ990416_03.9A01.C7.o1.np	Method	AAT/NAP
Start	3685	End	4897
GI	5051773	Score	311
Exons	3685..3780, 4356..4897		
GI Descrip.	(AL078637) putative protein [Arabidopsis thaliana]		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40670	Strand	+
Start	3685	End	5014
Name	OJ990416_03.9A01.C7.o1.gp	Method	AAT/GAP
Start	4259	End	5014
GI	22300_1.R1084	Score	1419
Exons	4259..5014		
GI Descrip.	'3522945/gb|AAC34227.1| 3.0e-28 (AC004411) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40670	Strand	+
Start	3685	End	5014
Name	OJ990416_03.9A01.C7.o2.gs	Method	GENSCAN
Start	4329	End	4910
GI	none	Score	.99
Exons	4329..4910		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40671	Strand	+
Start	6228	End	8003
Name	OJ990416_03.9A01.C7.o3.gs	Method	GENSCAN
Start	6228	End	8003
GI	none	Score	.97
Exons	6228..8003		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40671	Strand	+
Start	6228	End	8003
Name	OJ990416_03.9A01.C7.o2.np	Method	AAT/NAP
Start	6309	End	8003
GI	6911885	Score	1912
Exons	6309..8003		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40672	Strand	+
Start	13537	End	15194
Name	OJ990416_03.9A01.C7.o5.gs	Method	GENSCAN
Start	13537	End	13794
GI	none	Score	.99
Exons	13537..13794		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40672	Strand	+
Start	13537	End	15194
Name	OJ990416_03.9A01.C7.o4.np	Method	AAT/NAP
Start	13685	End	15194
GI	3522946	Score	236

Exons	13685..13807, 14971..15194		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40672	Strand	+
Start	13537	End	15194
Name	OJ990416_03.9A01.C7.o2.gp	Method	AAT/GAP
Start	13740	End	15194
GI	4969144	Score	566
Exons	13740..13807, 14971..15194		
GI Descrip.	3522945/gb|AAC34227.1| 3.0e-28 (AC004411) putative cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	4329	End	4472
GI	none	Score	218
Exons	4329..4472, 4337..4468		
Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o2.tm	Method	TBLASTX:Maize
Start	4343	End	4907
GI	none	Score	186
Exons	4343..4468, 4356..4472, 4511..4555, 4533..4634, 4641..4907, 4649..4885		
Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o3.tc	Method	TBLASTX:Cress
Start	4356	End	4649
GI	none	Score	153
Exons	4356..4469, 4379..4468, 4533..4649		
Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o3.tm	Method	TBLASTX:Maize
Start	6383	End	6611
GI	none	Score	383
Exons	6383..6610, 6384..6611		
Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o3.ts	Method	TBLASTX:Soybean
Start	6384	End	6602
GI	none	Score	336
Exons	6384..6602, 6392..6601		
Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160

Name	OJ990416_03.9A01.C7.o1.tc	Method	TBLASTX:Cress
Start	6387	End	6917
GI	none	Score	833
Exons	6387..6917, 6392..6754		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	6602	End	7049
GI	none	Score	653
Exons	6602..7048, 6606..7049, 6924..7049		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	6612	End	7778
GI	none	Score	1427
Exons	6612..7535, 6612..6683, 6617..7531, 7352..7660, 7420..7584, 7689..7778		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o4.ts	Method	TBLASTX:Soybean
Start	7049	End	7199
GI	none	Score	205
Exons	7049..7198, 7050..7199		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o4.tc	Method	TBLASTX:Cress
Start	7113	End	7310
GI	none	Score	193
Exons	7113..7298, 7128..7310, 7157..7300		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o2.ts	Method	TBLASTX:Soybean
Start	7251	End	7580
GI	none	Score	417
Exons	7251..7535, 7253..7531, 7352..7561, 7458..7580		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o4.gs	Method	GENSCAN
Start	9079	End	13160
GI	none	Score	.59
Exons	9079..9270, 9851..10079, 11444..11671, 12122..12168, 12250..12308, 12571..12742, 12753..13160		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-

Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o2.tw	Method	TBLASTX:Wheat
Start	9633	End	12984
GI	none	Score	94
Exons	9633..9719, 9645..9719, 9842..9925, 9855..9926, 12907..12984		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o3.np	Method	AAT/NAP
Start	9639	End	9931
GI	4039153	Score	183
Exons	9639..9719, 9851..9931		
GI Descrip.	(AF104221) low temperature and salt responsive protein LTI6A [Arabidopsis thaliana] gi|4325217|gb|AAD17302| (AF122005) hydrophobic protein [Arabidopsis thaliana] gi|6714401|gb|AAF26090.1|AC012393_16 (AC012393) low temperature and salt responsive protein LTI6A [Arabidopsis thaliana]		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o5.tm	Method	TBLASTX:Maize
Start	9640	End	9926
GI	none	Score	85
Exons	9640..9714, 9645..9719, 9651..9749, 9825..9926, 9842..9925		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40673	Strand	-
Start	9079	End	13160
Name	OJ990416_03.9A01.C7.o5.tc	Method	TBLASTX:Cress
Start	9645	End	9926
GI	none	Score	81
Exons	9645..9719, 9842..9925, 9849..9926		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40674	Strand	
Start	13684	End	15232
Name	OJ990416_03.9A01.C7.o4.tm	Method	TBLASTX:Maize
Start	13684	End	15209
GI	none	Score	42
Exons	13684..13719, 13702..13806, 14945..15190, 14949..15197, 14976..15209, 14977..15198		

Seq. No.	19486	Seq. ID	OJ990416_03.9A01.C7
Gene No.	40674	Strand	
Start	13684	End	15232
Name	OJ990416_03.9A01.C7.o2.tc	Method	TBLASTX:Cress
Start	14967	End	15232
GI	none	Score	134
Exons	14967..15110, 15110..15232, 15111..15197		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40675	Strand	+
Start	1	End	1781
Name	OJ990416_03.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	1778

GI	3522946	Score	1050
Exons	1..311, 449..699, 785..1163, 1350..1778		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40675	Strand	+
Start	1	End	1781
Name	OJ990416_03.9A01.C8.o1.gp	Method	AAT/GAP
Start	83	End	548
GI	4969144	Score	567
Exons	83..311, 449..548		
GI Descrip.	3522945/gb|AAC34227.1| 3.0e-28 (AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40675	Strand	+
Start	1	End	1781
Name	OJ990416_03.9A01.C8.o1.gs	Method	GENSCAN
Start	120	End	1781
GI	none	Score	.97
Exons	120..311, 449..699, 785..1163, 1350..1781		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40676	Strand	+
Start	4901	End	7241
Name	OJ990416_03.9A01.C8.o2.np	Method	AAT/NAP
Start	4892	End	7238
GI	3522946	Score	1143
Exons	4892..5177, 5366..5589, 5910..6160, 6280..6658, 6810..7238		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40676	Strand	+
Start	4901	End	7241
Name	OJ990416_03.9A01.C8.o3.gs	Method	GENSCAN
Start	4901	End	7241
GI	none	Score	.81
Exons	4901..5140, 5509..5589, 5910..6160, 6869..7241		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40676	Strand	+
Start	4901	End	7241
Name	OJ990416_03.9A01.C8.o3.gp	Method	AAT/GAP
Start	4959	End	6373
GI	57994_1.R1084	Score	1411
Exons	4959..5177, 5366..5589, 5910..6160, 6280..6373		
GI Descrip.	'3522945/gb|AAC34227.1| 1.0e-24 (AC004411) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40677	Strand	+
Start	8094	End	8366
Name	OJ990416_03.9A01.C8.o4.gs	Method	GENSCAN
Start	8094	End	8366
GI	none	Score	1
Exons	8094..8366		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40678	Strand	-
Start	958	End	1683
Name	OJ990416_03.9A01.C8.o2.gp	Method	AAT/GAP
Start	958	End	1683
GI	2312113	Score	720
Exons	958..1106, 1450..1683		
GI Descrip.	3522946/gb|AAC34228.1| 6.0e-28 (AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	62	End	5993
GI	none	Score	320
Exons	62..307, 66..314, 93..326, 94..315, 446..499, 5126..5194, 5348..5578, 5361..5594, 5362..5595, 5889..5993		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o3.tc	Method	TBLASTX:Cress
Start	84	End	6113
GI	none	Score	134
Exons	84..227, 227..349, 228..314, 530..652, 556..648, 4973..5155, 4982..5161, 5356..5484, 5518..5580, 5533..5595, 5961..6113, 6017..6109		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	210	End	7232
GI	none	Score	96
Exons	210..314, 518..646, 981..1166, 990..1172, 1350..1772, 1415..1747, 5365..5445, 5536..5598, 5979..6128, 6476..6655, 6485..6637, 6810..7232, 6945..7031, 6953..7207		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o2.tw	Method	TBLASTX:Wheat
Start	219	End	6163
GI	none	Score	111
Exons	219..314, 224..307, 509..700, 535..702, 783..839, 5533..5595, 5541..5594, 5947..6000, 5961..6161, 5979..6158, 6017..6163, 6041..6163		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	550	End	7236
GI	none	Score	108
Exons	550..702, 551..700, 783..890, 891..965, 978..1055, 1059..1166, 1059..1172, 1347..1775, 1347..1427, 1397..1774, 6003..6155,		

6009..6155, 6011..6163, 6274..6357, 6274..6366, 6287..6385,
6366..6428, 6386..6460, 6473..6550, 6490..6558, 6553..6627,
6554..6658, 6807..7235, 6809..7234, 6943..7236

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o2.tc	Method	TBLASTX:Cress
Start	783	End	6655
GI	none	Score	85
Exons	783..896, 887..940, 888..953, 957..1121, 975..1127, 1116..1160, 6374..6448, 6449..6622, 6490..6621, 6611..6655		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	873	End	6616
GI	none	Score	66
Exons	873..929, 957..1115, 966..1115, 1130..1186, 6383..6430, 6383..6430, 6411..6593, 6438..6581, 6439..6597, 6452..6616, 6452..6592, 6490..6615		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	1356	End	7211
GI	none	Score	407
Exons	1356..1751, 1356..1550, 1415..1720, 6754..6795, 6816..7211, 6881..7210		

Seq. No.	19487	Seq. ID	OJ990416_03.9A01.C8
Gene No.	40679	Strand	-
Start	8977	End	9146
Name	OJ990416_03.9A01.C8.o5.gs	Method	GENSCAN
Start	8977	End	9146
GI	none	Score	.82
Exons	8977..9146		

Seq. No.	19488	Seq. ID	OJ990416_03.9A01.C12
Gene No.	40680	Strand	-
Start	104	End	611
Name	OJ990416_03.9A01.C12.o1.np	Method	AAT/NAP
Start	104	End	611
GI	3522946	Score	417
Exons	104..611		
GI Descrip.	(AC004411) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	19488	Seq. ID	OJ990416_03.9A01.C12
Gene No.	40680	Strand	-
Start	104	End	611
Name	OJ990416_03.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	106	End	535
GI	none	Score	151
Exons	106..399, 107..535, 108..533		

Seq. No.	19488	Seq. ID	OJ990416_03.9A01.C12
Gene No.	40680	Strand	-
Start	104	End	611
Name	OJ990416_03.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	110	End	532
GI	none	Score	124
Exons	110..532, 135..389, 311..397		

Seq. No.	19488	Seq. ID	OJ990416_03.9A01.C12
Gene No.	40680	Strand	-
Start	104	End	611
Name	OJ990416_03.9A01.C12.o1.tc	Method	TBLASTX:Cress
Start	131	End	526
GI	none	Score	174
Exons	131..526, 132..461		

Seq. No.	19489	Seq. ID	OJ990416_03.9A01.C13
Gene No.	40681	Strand	+
Start	1	End	770
Name	OJ990416_03.9A01.C13.o1.gp	Method	AAT/GAP
Start	1	End	433
GI	48318_1.R1084	Score	218
Exons	1..27, 108..145, 361..433		
GI Descrip.	'5733886/gb|AAD49774.1|AC007932_22 2.0e-41 (AC007932) F11A17.20 [Arabidopsis thaliana]'		

Seq. No.	19489	Seq. ID	OJ990416_03.9A01.C13
Gene No.	40681	Strand	+
Start	1	End	770
Name	OJ990416_03.9A01.C13.o1.np	Method	AAT/NAP
Start	1	End	770
GI	3668086	Score	60
Exons	1..27, 108..145, 361..467, 703..770		
GI Descrip.	(AC004667) unknown protein [Arabidopsis thaliana]		

Seq. No.	19489	Seq. ID	OJ990416_03.9A01.C13
Gene No.	40681	Strand	+
Start	1	End	770
Name	OJ990416_03.9A01.C13.o1.gs	Method	GENSCAN
Start	361	End	464
GI	none	Score	.49
Exons	361..464		

Seq. No.	19490	Seq. ID	OJ990416_03.9A01.C18
Gene No.	40682	Strand	+
Start	1	End	53
Name	OJ990416_03.9A01.C18.o1.gp	Method	AAT/GAP
Start	1	End	53
GI	none	Score	83
Exons	1..53		

Seq. No.	19491	Seq. ID	OJ990416_03.9A01.C19
Gene No.	40683	Strand	+
Start	115	End	218
Name	OJ990416_03.9A01.C19.o1.gp	Method	AAT/GAP
Start	115	End	187
GI	48318_1.R1084	Score	105

Exons	115..187		
GI Descrip.	'5733886/gb|AAD49774.1|AC007932_22 2.0e-41 (AC007932) F11A17.20 [Arabidopsis thaliana]'		
Seq. No.	19491	Seq. ID	OJ990416_03.9A01.C19
Gene No.	40683	Strand	+
Start	115	End	218
Name	OJ990416_03.9A01.C19.o1.gs	Method	GENSCAN
Start	115	End	218
GI	none	Score	.44
Exons	115..218		
Seq. No.	19492	Seq. ID	OJ990706_08.9A01.C1
Gene No.	40684	Strand	-
Start	1	End	378
Name	OJ990706_08.9A01.C1.o1.np	Method	AAT/NAP
Start	1	End	231
GI	2160179	Score	126
Exons	1..231		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		
Seq. No.	19492	Seq. ID	OJ990706_08.9A01.C1
Gene No.	40684	Strand	-
Start	1	End	378
Name	OJ990706_08.9A01.C1.o1.gs	Method	GENSCAN
Start	68	End	378
GI	none	Score	.77
Exons	68..189, 307..378		
Seq. No.	19493	Seq. ID	OJ990706_08.9A01.C3
Gene No.	40685	Strand	+
Start	313	End	783
Name	OJ990706_08.9A01.C3.o1.gs	Method	GENSCAN
Start	313	End	783
GI	none	Score	.67
Exons	313..783		
Seq. No.	19493	Seq. ID	OJ990706_08.9A01.C3
Gene No.	40685	Strand	+
Start	313	End	783
Name	OJ990706_08.9A01.C3.o1.gp	Method	AAT/GAP
Start	352	End	710
GI	none	Score	697
Exons	352..710		
Seq. No.	19493	Seq. ID	OJ990706_08.9A01.C3
Gene No.	40686	Strand	+
Start	2794	End	2997
Name	OJ990706_08.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	431	End	967
GI	none	Score	205
Exons	431..478, 526..693, 529..693, 531..731, 567..731, 733..966, 749..967		
Seq. No.	19493	Seq. ID	OJ990706_08.9A01.C3
Gene No.	40686	Strand	+
Start	2794	End	2997

Name	OJ990706_08.9A01.C3.o2.gp	Method	AAT/GAP
Start	2794	End	2997
GI	none	Score	335
Exons	2794..2997		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40687	Strand	+
Start	112	End	843
Name	OJ990706_08.9A01.C4.o1.gs	Method	GENSCAN
Start	112	End	843
GI	none	Score	.64
Exons	112..213, 703..843		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40688	Strand	+
Start	1268	End	3601
Name	OJ990706_08.9A01.C4.o1.np	Method	AAT/NAP
Start	1262	End	3589
GI	4455347	Score	189
Exons	1262..1846, 2624..2701, 3494..3589		
GI Descrip.	(AL035522) putative protein [Arabidopsis thaliana]		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40688	Strand	+
Start	1268	End	3601
Name	OJ990706_08.9A01.C4.o2.gs	Method	GENSCAN
Start	1268	End	3601
GI	none	Score	.6
Exons	1268..1873, 2349..2425, 2803..3601		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40689	Strand	+
Start	10278	End	11569
Name	OJ990706_08.9A01.C4.o4.gs	Method	GENSCAN
Start	10278	End	11569
GI	none	Score	.46
Exons	10278..10874, 11429..11569		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40689	Strand	+
Start	10278	End	11569
Name	OJ990706_08.9A01.C4.o1.gp	Method	AAT/GAP
Start	10447	End	10861
GI	none	Score	754
Exons	10447..10861		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40690	Strand	+
Start	12005	End	13266
Name	OJ990706_08.9A01.C4.o5.gs	Method	GENSCAN
Start	12005	End	13266
GI	none	Score	.7
Exons	12005..12610, 13126..13266		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40691	Strand	+
Start	13608	End	14312

Name	OJ990706_08.9A01.C4.o6.gs	Method	GENSCAN
Start	13608	End	14312
GI	none	Score	.59
Exons	13608..14312		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40691	Strand	+
Start	13608	End	14312
Name	OJ990706_08.9A01.C4.o2.gp	Method	AAT/GAP
Start	13647	End	14005
GI	none	Score	649
Exons	13647..14005		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40692	Strand	+
Start	17267	End	17992
Name	OJ990706_08.9A01.C4.o8.gs	Method	GENSCAN
Start	17267	End	17992
GI	none	Score	1
Exons	17267..17992		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40693	Strand	+
Start	19259	End	19990
Name	OJ990706_08.9A01.C4.o9.gs	Method	GENSCAN
Start	19259	End	19990
GI	none	Score	.66
Exons	19259..19990		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40694	Strand	+
Start	21311	End	21919
Name	OJ990706_08.9A01.C4.o10.gs	Method	GENSCAN
Start	21311	End	21919
GI	none	Score	.99
Exons	21311..21919		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40695	Strand	+
Start	24975	End	25682
Name	OJ990706_08.9A01.C4.o11.gs	Method	GENSCAN
Start	24975	End	25682
GI	none	Score	.78
Exons	24975..25682		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40696	Strand	+
Start	26735	End	27442
Name	OJ990706_08.9A01.C4.o12.gs	Method	GENSCAN
Start	26735	End	27442
GI	none	Score	.64
Exons	26735..27442		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40697	Strand	+
Start	28464	End	29168
Name	OJ990706_08.9A01.C4.o13.gs	Method	GENSCAN

Start	28464	End	29168
GI	none	Score	.84
Exons	28464..29168		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40698	Strand	+
Start	30087	End	30791
Name	OJ990706_08.9A01.C4.o3.gp	Method	AAT/GAP
Start	30023	End	30444
GI	LIB3434-033-P1-K1-C5	Score	816
Exons	30023..30444		
GI Descrip.	'5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2'		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40698	Strand	+
Start	30087	End	30791
Name	OJ990706_08.9A01.C4.o14.gs	Method	GENSCAN
Start	30087	End	30791
GI	none	Score	.98
Exons	30087..30791		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40699	Strand	+
Start	33723	End	34439
Name	OJ990706_08.9A01.C4.o16.gs	Method	GENSCAN
Start	33723	End	34439
GI	none	Score	.89
Exons	33723..34439		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40700	Strand	+
Start	35700	End	36428
Name	OJ990706_08.9A01.C4.o17.gs	Method	GENSCAN
Start	35700	End	36428
GI	none	Score	.57
Exons	35700..36428		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40701	Strand	+
Start	37643	End	38374
Name	OJ990706_08.9A01.C4.o18.gs	Method	GENSCAN
Start	37643	End	38374
GI	none	Score	.98
Exons	37643..38374		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40702	Strand	+
Start	39255	End	39962
Name	OJ990706_08.9A01.C4.o19.gs	Method	GENSCAN
Start	39255	End	39962
GI	none	Score	.69
Exons	39255..39962		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40703	Strand	+
Start	47152	End	49962

Name	OJ990706_08.9A01.C4.o11.np	Method	AAT/NAP
Start	47152	End	49962
GI	6573710	Score	635
Exons	47152..47199, 47274..47357, 47509..47664, 47714..47864, 48302..48539, 48720..48847, 48956..49032, 49465..49546, 49629..49674, 49764..49962		
GI Descrip.	(AC009978) T23E18.19 [Arabidopsis thaliana]		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40704	Strand	+
Start	50088	End	50779
Name	OJ990706_08.9A01.C4.o9.gp	Method	AAT/GAP
Start	49488	End	50539
GI	LIB3432-008-P1-K1-D11	Score	746
Exons	49488..49546, 49764..49834, 49912..49985, 50070..50128, 50251..50312, 50416..50539		
GI Descrip.	'4539347/emb|CAB37495.1| 2.0e-45 (AL035539) putative growth regulator protein [Arabidopsis thaliana]'		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40704	Strand	+
Start	50088	End	50779
Name	OJ990706_08.9A01.C4.o21.gs	Method	GENSCAN
Start	50088	End	50779
GI	none	Score	.68
Exons	50088..50128, 50261..50343, 50392..50482, 50614..50779		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40705	Strand	+
Start	51327	End	55979
Name	OJ990706_08.9A01.C4.o12.np	Method	AAT/NAP
Start	51327	End	55976
GI	6554491	Score	1441
Exons	51327..51429, 52818..52886, 53057..53133, 53355..53443, 53540..53723, 53978..54159, 54872..54974, 55069..55400, 55487..55753, 55790..55976		
GI Descrip.	(AC012394) putative auxin-independent growth promoter [Arabidopsis thaliana]		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40705	Strand	+
Start	51327	End	55979
Name	OJ990706_08.9A01.C4.o22.gs	Method	GENSCAN
Start	51965	End	55979
GI	none	Score	.71
Exons	51965..52150, 52236..52304, 53355..53443, 53540..53723, 53978..54159, 54872..54974, 55069..55400, 55487..55979		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40705	Strand	+
Start	51327	End	55979
Name	OJ990706_08.9A01.C4.o11.gp	Method	AAT/GAP
Start	54002	End	55187
GI	426588	Score	693
Exons	54002..54159, 54872..54974, 55069..55187		
GI Descrip.	4539347/emb|CAB37495.1| 2.0e-45 (AL035539) putative growth regulator protein [Arabidopsis thaliana]		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40706	Strand	-
Start	4344	End	8763
Name	OJ990706_08.9A01.C4.o3.gs	Method	GENSCAN
Start	4344	End	8763
GI	none	Score	.4
Exons	4344..4436, 4552..4722, 4737..4827, 5214..5341, 6433..6651, 7022..7217, 7465..7853, 8086..8168, 8404..8509, 8635..8763		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40706	Strand	-
Start	4344	End	8763
Name	OJ990706_08.9A01.C4.o2.np	Method	AAT/NAP
Start	6091	End	7820
GI	5803254	Score	748
Exons	6091..6270, 6462..6651, 6759..6914, 7022..7820		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40707	Strand	-
Start	15010	End	16999
Name	OJ990706_08.9A01.C4.o7.gs	Method	GENSCAN
Start	15010	End	16999
GI	none	Score	.91
Exons	15010..15082, 15268..15435, 15519..15673, 15804..16079, 16598..16652, 16926..16999		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40708	Strand	-
Start	30866	End	31409
Name	OJ990706_08.9A01.C4.o4.gp	Method	AAT/GAP
Start	30866	End	31303
GI	2800806	Score	290
Exons	30866..31035, 31273..31303		
GI Descrip.	5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40708	Strand	-
Start	30866	End	31409
Name	OJ990706_08.9A01.C4.o5.gp	Method	AAT/GAP
Start	30890	End	31409
GI	2800806	Score	440
Exons	30890..31035, 31273..31409		
GI Descrip.	5102759/emb|AJ131096.1|PAB131096 1.0e-14 Picea abies microsatellite RNA, clone PAAG2		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40708	Strand	-
Start	30866	End	31409
Name	OJ990706_08.9A01.C4.o15.gs	Method	GENSCAN
Start	31177	End	31388
GI	none	Score	.51
Exons	31177..31246, 31273..31388		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40709	Strand	-
Start	41593	End	48745
Name	OJ990706_08.9A01.C4.o6.gp	Method	AAT/GAP
Start	41106	End	41319
GI	4715993	Score	411
Exons	41106..41319		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40709	Strand	-
Start	41593	End	48745
Name	OJ990706_08.9A01.C4.o10.np	Method	AAT/NAP
Start	41326	End	43832
GI	3080425	Score	1355
Exons	41326..41499, 41605..41745, 42404..42499, 42605..42697, 42820..43014, 43251..43349, 43438..43832		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40709	Strand	-
Start	41593	End	48745
Name	OJ990706_08.9A01.C4.o20.gs	Method	GENSCAN
Start	41593	End	48745
GI	none	Score	.61
Exons	41593..41745, 42404..42499, 42820..43014, 43251..43349, 43438..43591, 43692..43710, 43752..43844, 46570..46700, 46911..47126, 47253..47564, 47794..47983, 48336..48455, 48652..48745		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40709	Strand	-
Start	41593	End	48745
Name	OJ990706_08.9A01.C4.o8.gp	Method	AAT/GAP
Start	41614	End	43318
GI	13608_1.R1084	Score	974
Exons	41614..41745, 42404..42499, 42605..42697, 42820..43014, 43251..43318		
GI Descrip.	'3080425/emb|CAA18744.1| 6.0e-85 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40710	Strand	-
Start	50599	End	50901
Name	OJ990706_08.9A01.C4.o10.gp	Method	AAT/GAP
Start	50599	End	50901
GI	569061	Score	572
Exons	50599..50901		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	6	End	39911
GI	none	Score	103
Exons	6..230, 6..263, 10..264, 1481..1924, 1485..1640, 1522..1923, 3107..3550, 3111..3266, 3154..3549, 10491..10628, 10494..10634,		

10607..10678, 10625..10678, 10685..10879, 10695..10880,
10699..10908, 10881..10925, 10882..10926, 12218..12661,
12221..12400, 12222..12659, 12259..12660, 13821..13985,
13824..14012, 13826..14023, 14018..14239, 14019..14138,
14021..14260, 14031..14261, 17492..17653, 17522..17638,
17650..17817, 17726..17806, 17852..17941, 17875..17940,
19499..19651, 19511..19636, 19521..19700, 19531..19692,
19531..19704, 19648..19815, 19706..19813, 19850..19939,
19873..19938, 21428..21580, 21440..21568, 21459..21629,
21460..21633, 21577..21744, 21635..21742, 21771..21866,
23822..23887, 23921..23992, 24012..24056, 25188..25631,
25191..25355, 25229..25630, 26948..27391, 26951..27115,
26989..27390, 28582..28629, 28677..28844, 28681..28836,
28682..28885, 28718..28897, 28877..29116, 28899..29117,
30300..30467, 30302..30463, 30304..30498, 30305..30502,
30497..30739, 30513..30740, 30516..30635, 30566..30739,
33939..34100, 33940..34095, 33980..34153, 34097..34261,
34155..34268, 34255..34386, 34299..34388, 34310..34387,
35931..36143, 35972..36133, 36147..36377, 36161..36256,
37873..38118, 37874..38086, 38042..38197, 38235..38321,
38236..38289, 39468..39911, 39472..39567, 39509..39910

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o8.tm	Method	TBLASTX:Maize
Start	1267	End	39438
GI	none	Score	139
Exons	1267..1317, 1292..1450, 1313..1450, 2893..2943, 2939..3076, 2939..3076, 2941..3078, 10277..10327, 10302..10460, 10324..10461, 11998..12054, 12050..12178, 12052..12189, 12056..12187, 13601..13657, 13632..13790, 13653..13790, 13654..13791, 17252..17464, 17275..17454, 17310..17453, 19250..19450, 19258..19452, 19259..19453, 21131..21382, 21188..21379, 21268..21381, 23484..23627, 23487..23627, 23491..23649, 24974..25024, 24999..25157, 25022..25159, 26734..26784, 26759..26917, 26782..26919, 28439..28513, 28488..28646, 28511..28567, 30111..30278, 30134..30271, 33668..33724, 33672..33728, 33675..33728, 33722..33919, 33723..33935, 33724..33927, 33783..33935, 35696..35890, 35696..35893, 35700..35900, 35701..35892, 37642..37836, 37643..37843, 39254..39316, 39254..39304, 39279..39437, 39300..39437, 39301..39438		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o4.tm	Method	TBLASTX:Maize
Start	6550	End	7396
GI	none	Score	150
Exons	6550..6597, 6609..6635, 6738..6914, 6754..6945, 7020..7088, 7024..7113, 7034..7111, 7114..7158, 7166..7339, 7176..7322, 7183..7323, 7331..7396		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473

Name	OJ990706_08.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	41229	End	42847
GI	none	Score	66
Exons	41229..41282, 41232..41279, 41310..41501, 41323..41502, 41324..41494, 41602..41748, 41603..41746, 41604..41747, 42398..42499, 42402..42503, 42402..42500, 42603..42713, 42605..42697, 42818..42847, 42821..42847		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	41321	End	42967
GI	none	Score	197
Exons	41321..41431, 41323..41502, 41324..41497, 41341..41502, 41602..41748, 41603..41746, 42398..42448, 42425..42499, 42603..42689, 42605..42697, 42609..42713, 42820..42966, 42821..42967		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o3.ts	Method	TBLASTX:Soybean
Start	41368	End	42973
GI	none	Score	137
Exons	41368..41502, 41369..41497, 41602..41748, 41603..41746, 42281..42355, 42398..42499, 42402..42500, 42604..42699, 42605..42697, 42609..42713, 42806..42847, 42819..42968, 42820..42972, 42821..42973		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	43257	End	43617
GI	none	Score	127
Exons	43257..43349, 43258..43350, 43429..43587, 43430..43606, 43438..43617		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o2.tc	Method	TBLASTX:Cress
Start	43323	End	43659
GI	none	Score	202
Exons	43323..43349, 43430..43633, 43438..43659		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o5.tm	Method	TBLASTX:Maize
Start	43405	End	43664
GI	none	Score	285
Exons	43405..43662, 43415..43660, 43429..43662, 43581..43664		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-

Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o6.tm	Method	TBLASTX:Maize
Start	47148	End	48497
GI	none	Score	68
Exons	47148..47201, 47148..47201, 47152..47223, 47271..47369, 47273..47332, 47508..47645, 47508..47642, 47509..47646, 47725..47859, 47763..47858, 48441..48464, 48456..48497		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o4.tc	Method	TBLASTX:Cress
Start	47289	End	47865
GI	none	Score	69
Exons	47289..47360, 47518..47646, 47541..47648, 47749..47862, 47761..47865		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o7.tm	Method	TBLASTX:Maize
Start	48965	End	49834
GI	none	Score	98
Exons	48965..49015, 48966..49037, 49460..49546, 49461..49547, 49627..49674, 49628..49660, 49630..49665, 49752..49820, 49754..49834, 49757..49807, 49764..49820		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o6.tc	Method	TBLASTX:Cress
Start	49518	End	50292
GI	none	Score	41
Exons	49518..49547, 49633..49665, 49764..49802, 49910..49987, 50063..50131, 50233..50292		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	52823	End	55766
GI	none	Score	72
Exons	52823..52882, 53059..53136, 53064..53192, 53354..53443, 53355..53441, 53534..53587, 53538..53633, 53631..53723, 53648..53722, 53974..54027, 53981..54040, 54029..54163, 54036..54146, 54870..54974, 54870..54977, 55071..55400, 55075..55401, 55075..55401, 55286..55462, 55476..55685, 55485..55766		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o9.tm	Method	TBLASTX:Maize
Start	53604	End	54076
GI	none	Score	204
Exons	53604..53726, 53604..53723, 53606..53734, 53624..53728, 53974..54075, 53978..54076		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	55086	End	55634
GI	none	Score	382
Exons	55086..55403, 55086..55403, 55087..55416, 55087..55413, 55445..55627, 55448..55615, 55461..55622, 55462..55623, 55467..55634		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o5.tc	Method	TBLASTX:Cress
Start	55111	End	55374
GI	none	Score	235
Exons	55111..55374, 55125..55370		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o3.tc	Method	TBLASTX:Cress
Start	55375	End	55769
GI	none	Score	42
Exons	55375..55401, 55475..55615, 55485..55769, 55485..55703		

Seq. No.	19494	Seq. ID	OJ990706_08.9A01.C4
Gene No.	40711	Strand	-
Start	57177	End	57473
Name	OJ990706_08.9A01.C4.o23.gs	Method	GENSCAN
Start	57177	End	57473
GI	none	Score	.8
Exons	57177..57473		

Seq. No.	19495	Seq. ID	OJ990706_08.9A01.C5
Gene No.	40712	Strand	+
Start	1	End	1023
Name	OJ990706_08.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	1023
GI	2160179	Score	411
Exons	1..19, 102..237, 344..463, 589..708, 817..1023		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	19495	Seq. ID	OJ990706_08.9A01.C5
Gene No.	40712	Strand	+
Start	1	End	1023
Name	OJ990706_08.9A01.C5.o1.gs	Method	GENSCAN
Start	344	End	958
GI	none	Score	.89
Exons	344..463, 754..958		

Seq. No.	19496	Seq. ID	OJ990706_08.9A01.C6
Gene No.	40713	Strand	+
Start	1	End	1241
Name	OJ990706_08.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	530

GI	2160180	Score	333
Exons	1..175, 297..530		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		

Seq. No.	19496	Seq. ID	OJ990706_08.9A01.C6
Gene No.	40713	Strand	+
Start	1	End	1241
Name	OJ990706_08.9A01.C6.o1.gs	Method	GENSCAN
Start	49	End	1241
GI	none	Score	.7
Exons	49..175, 297..496, 1109..1241		

Seq. No.	19496	Seq. ID	OJ990706_08.9A01.C6
Gene No.	40713	Strand	+
Start	1	End	1241
Name	OJ990706_08.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	297	End	530
GI	none	Score	374
Exons	297..530, 297..521, 302..529		

Seq. No.	19496	Seq. ID	OJ990706_08.9A01.C6
Gene No.	40713	Strand	+
Start	1	End	1241
Name	OJ990706_08.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	332	End	524
GI	none	Score	235
Exons	332..505, 333..524, 462..521		

Seq. No.	19497	Seq. ID	OJ990706_08.9A01.C7
Gene No.	40714	Strand	+
Start	1	End	1335
Name	OJ990706_08.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	1335
GI	5922620	Score	103
Exons	1..35, 1222..1335		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19497	Seq. ID	OJ990706_08.9A01.C7
Gene No.	40715	Strand	+
Start	3913	End	10446
Name	OJ990706_08.9A01.C7.o3.gs	Method	GENSCAN
Start	3913	End	10263
GI	none	Score	.67
Exons	3913..3975, 4432..4530, 4626..4747, 6561..6595, 7145..7382, 8017..8136, 8798..8939, 9080..9250, 9346..9501, 9665..9771, 9899..9989, 10122..10263		

Seq. No.	19497	Seq. ID	OJ990706_08.9A01.C7
Gene No.	40715	Strand	+
Start	3913	End	10446
Name	OJ990706_08.9A01.C7.o3.np	Method	AAT/NAP
Start	4489	End	10446
GI	2160180	Score	1249

Exons	4489..4536, 4617..4747, 7846..7953, 8017..8136, 8256..8375, 8670..8939, 9080..9274, 9346..9501, 9665..9771, 9899..9989, 10122..10267, 10311..10446		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		
Seq. No.	19497	Seq. ID	OJ990706_08.9A01.C7
Gene No.	40716	Strand	-
Start	125	End	310
Name	OJ990706_08.9A01.C7.o1.gs	Method	GENSCAN
Start	125	End	310
GI	none	Score	.75
Exons	125..310		
Seq. No.	19497	Seq. ID	OJ990706_08.9A01.C7
Gene No.	40717	Strand	-
Start	624	End	1465
Name	OJ990706_08.9A01.C7.o2.gs	Method	GENSCAN
Start	624	End	1465
GI	none	Score	.72
Exons	624..796, 915..955, 1148..1208, 1420..1465		
Seq. No.	19497	Seq. ID	OJ990706_08.9A01.C7
Gene No.	40718	Strand	-
Start	1474	End	1551
Name	OJ990706_08.9A01.C7.o2.np	Method	AAT/NAP
Start	1474	End	1551
GI	6630699	Score	78
Exons	1474..1551		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	19497	Seq. ID	OJ990706_08.9A01.C7
Gene No.	40719	Strand	
Start	4625	End	9208
Name	OJ990706_08.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	4625	End	9208
GI	none	Score	174
Exons	4625..4753, 4626..4751, 7846..7881, 8008..8154, 8018..8137, 8253..8348, 8254..8352, 8257..8379, 8790..8936, 9070..9108, 9077..9106, 9118..9204, 9119..9208, 9119..9208		
Seq. No.	19497	Seq. ID	OJ990706_08.9A01.C7
Gene No.	40720	Strand	-
Start	10224	End	10446
Name	OJ990706_08.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	10224	End	10446
GI	none	Score	58
Exons	10224..10265, 10226..10264, 10333..10443, 10334..10444, 10335..10445, 10336..10446		
Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40721	Strand	+
Start	1	End	1684
Name	OJ990706_08.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	1684
GI	2160178	Score	846

Exons	1..206, 330..420, 518..659, 736..892, 987..1103, 1183..1309, 1430..1684		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		
Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40721	Strand	+
Start	1	End	1684
Name	OJ990706_08.9A01.C8.o1.gs	Method	GENSCAN
Start	330	End	1669
GI	none	Score	.75
Exons	330..420, 723..892, 966..1103, 1183..1669		
Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40722	Strand	+
Start	3670	End	4007
Name	OJ990706_08.9A01.C8.o1.gp	Method	AAT/GAP
Start	3670	End	4007
GI	none	Score	656
Exons	3670..4007		
Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40723	Strand	+
Start	11133	End	11715
Name	OJ990706_08.9A01.C8.o5.gs	Method	GENSCAN
Start	11133	End	11715
GI	none	Score	.96
Exons	11133..11233, 11646..11715		
Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40724	Strand	+
Start	12961	End	13651
Name	OJ990706_08.9A01.C8.o6.gs	Method	GENSCAN
Start	12961	End	13651
GI	none	Score	.46
Exons	12961..13264, 13422..13518, 13594..13651		
Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40725	Strand	-
Start	2000	End	2296
Name	OJ990706_08.9A01.C8.o2.gs	Method	GENSCAN
Start	2000	End	2296
GI	none	Score	.99
Exons	2000..2161, 2255..2296		
Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40726	Strand	-
Start	2369	End	13272
Name	OJ990706_08.9A01.C8.o2.np	Method	AAT/NAP
Start	2369	End	13272
GI	4038043	Score	792
Exons	2369..2461, 2535..2635, 4047..4194, 4282..5062, 8360..8756, 8841..8922, 13171..13272		
GI Descrip.	(AC005936) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		
Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40726	Strand	-

Start	2369	End	13272
Name	OJ990706_08.9A01.C8.o3.gs	Method	GENSCAN
Start	3964	End	4989
GI	none	Score	.87
Exons	3964..4989		

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40726	Strand	-
Start	2369	End	13272
Name	OJ990706_08.9A01.C8.o2.gp	Method	AAT/GAP
Start	4138	End	4520
GI	none	Score	750
Exons	4138..4520		

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40727	Strand	-
Start	16448	End	16531
Name	OJ990706_08.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	620	End	1291
GI	none	Score	58
Exons	620..661, 622..660, 729..902, 731..883, 731..934, 732..887, 984..1103, 985..1104, 986..1105, 1179..1280, 1181..1291, 1187..1282		

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40727	Strand	-
Start	16448	End	16531
Name	OJ990706_08.9A01.C8.o2.ts	Method	TBLASTX:Soybean
Start	759	End	1525
GI	none	Score	214
Exons	759..893, 759..893, 760..894, 761..895, 984..1073, 985..1104, 1181..1312, 1427..1525, 1459..1515		

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40727	Strand	-
Start	16448	End	16531
Name	OJ990706_08.9A01.C8.o3.tm	Method	TBLASTX:Maize
Start	1430	End	1663
GI	none	Score	363
Exons	1430..1663, 1430..1639, 1435..1662		

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40727	Strand	-
Start	16448	End	16531
Name	OJ990706_08.9A01.C8.o2.tc	Method	TBLASTX:Cress
Start	1465	End	1657
GI	none	Score	229
Exons	1465..1638, 1466..1657		

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40727	Strand	-
Start	16448	End	16531
Name	OJ990706_08.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	4042	End	8871
GI	none	Score	68
Exons	4042..4164, 4357..4419, 4358..4420, 4993..5064, 5002..5064, 5006..5068, 8359..8511, 8363..8494, 8504..8590, 8506..8589,		

8581..8757, 8582..8731, 8839..8871

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40727	Strand	-
Start	16448	End	16531
Name	OJ990706_08.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	5002	End	8871
GI	none	Score	113
Exons	5002..5064, 8359..8466, 8360..8449, 8464..8688, 8483..8638, 8648..8683, 8674..8757, 8675..8731, 8839..8871		

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40727	Strand	-
Start	16448	End	16531
Name	OJ990706_08.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	8380	End	8715
GI	none	Score	58
Exons	8380..8715, 8381..8443, 8483..8713		

Seq. No.	19498	Seq. ID	OJ990706_08.9A01.C8
Gene No.	40727	Strand	-
Start	16448	End	16531
Name	OJ990706_08.9A01.C8.o7.gs	Method	GENSCAN
Start	16448	End	16531
GI	none	Score	.41
Exons	16448..16531		

Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40728	Strand	+
Start	2364	End	2825
Name	OJ990706_08.9A01.C10.o1.gp	Method	AAT/GAP
Start	2364	End	2825
GI	3761684	Score	876
Exons	2364..2825		

Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40729	Strand	+
Start	4540	End	9160
Name	OJ990706_08.9A01.C10.o3.gp	Method	AAT/GAP
Start	4540	End	9160
GI	none	Score	816
Exons	4540..4661, 8855..9160		

Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40730	Strand	-
Start	590	End	1775
Name	OJ990706_08.9A01.C10.o1.gs	Method	GENSCAN
Start	590	End	1775
GI	none	Score	.96
Exons	590..1474, 1770..1775		

Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40731	Strand	-
Start	2507	End	9605
Name	OJ990706_08.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	641	End	9386
GI	none	Score	108

Exons	641..730, 767..922, 876..1049, 878..1090, 887..1075, 888..1091, 2558..2593, 2558..2647, 2560..2676, 2684..2791, 2685..2849, 2763..3008, 2846..3007, 5376..5819, 5377..5778, 5655..5819, 7098..7187, 7170..7415, 7180..7383, 7389..7532, 7405..7491, 8943..9032, 8944..9021, 9078..9167, 9079..9156, 9168..9350, 9168..9386		
Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40731	Strand	-
Start	2507	End	9605
Name	OJ990706_08.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	1127	End	9600
GI	none	Score	69
Exons	1127..1321, 1130..1192, 1209..1322, 3044..3244, 3047..3238, 3102..3242, 5914..6030, 5920..6030, 7567..7761, 7569..7760, 7594..7761, 9399..9599, 9427..9600		
Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40731	Strand	-
Start	2507	End	9605
Name	OJ990706_08.9A01.C10.o2.gs	Method	GENSCAN
Start	2507	End	6030
GI	none	Score	.55
Exons	2507..3328, 3486..3517, 4484..4508, 4558..4614, 4794..4867, 5682..6030		
Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40731	Strand	-
Start	2507	End	9605
Name	OJ990706_08.9A01.C10.o2.np	Method	AAT/NAP
Start	2510	End	3244
GI	2558663	Score	238
Exons	2510..3244		
GI Descrip.	(AC002354) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40731	Strand	-
Start	2507	End	9605
Name	OJ990706_08.9A01.C10.o2.gp	Method	AAT/GAP
Start	3388	End	3742
GI	3761685	Score	646
Exons	3388..3742		
Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40731	Strand	-
Start	2507	End	9605
Name	OJ990706_08.9A01.C10.o3.np	Method	AAT/NAP
Start	5337	End	9605
GI	4455347	Score	244
Exons	5337..5492, 7149..7669, 9518..9605		
GI Descrip.	(AL035522) putative protein [Arabidopsis thaliana]		
Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40731	Strand	-
Start	2507	End	9605
Name	OJ990706_08.9A01.C10.o3.gs	Method	GENSCAN
Start	7047	End	7760

GI	none	Score	.93
Exons	7047..7760		
Seq. No.	19499	Seq. ID	OJ990706_08.9A01.C10
Gene No.	40731	Strand	-
Start	2507	End	9605
Name	OJ990706_08.9A01.C10.o4.gs	Method	GENSCAN
Start	8892	End	9599
GI	none	Score	.82
Exons	8892..9599		
Seq. No.	19500	Seq. ID	OJ990706_08.9A01.C11
Gene No.	40732	Strand	-
Start	20	End	781
Name	OJ990706_08.9A01.C11.o1.gs	Method	GENSCAN
Start	20	End	781
GI	none	Score	.74
Exons	20..357, 597..781		
Seq. No.	19501	Seq. ID	OJ990706_08.9A01.C12
Gene No.	40733	Strand	+
Start	122	End	889
Name	OJ990706_08.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	113	End	484
GI	none	Score	144
Exons	113..259, 123..242, 358..453, 359..457, 361..483, 362..484		
Seq. No.	19501	Seq. ID	OJ990706_08.9A01.C12
Gene No.	40733	Strand	+
Start	122	End	889
Name	OJ990706_08.9A01.C12.o1.np	Method	AAT/NAP
Start	122	End	889
GI	2160180	Score	227
Exons	122..241, 361..497, 871..889		
GI Descrip.	(AC000132) No definition line found [Arabidopsis thaliana]		
Seq. No.	19502	Seq. ID	OJ990706_08.9A01.C14
Gene No.	40734	Strand	+
Start	34	End	561
Name	OJ990706_08.9A01.C14.o1.gs	Method	GENSCAN
Start	34	End	561
GI	none	Score	.79
Exons	34..561		
Seq. No.	19502	Seq. ID	OJ990706_08.9A01.C14
Gene No.	40735	Strand	-
Start	248	End	444
Name	OJ990706_08.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	22	End	432
GI	none	Score	167
Exons	22..240, 58..240, 241..330, 252..329, 376..432, 387..431		
Seq. No.	19502	Seq. ID	OJ990706_08.9A01.C14
Gene No.	40735	Strand	-
Start	248	End	444
Name	OJ990706_08.9A01.C14.o1.gp	Method	AAT/GAP
Start	248	End	444

GI	none	Score	359
Exons	248..444		
Seq. No.	19503	Seq. ID	OJ990706_08.9A01.C17
Gene No.	40736	Strand	+
Start	459	End	582
Name	OJ990706_08.9A01.C17.o1.gs	Method	GENSCAN
Start	459	End	582
GI	none	Score	.63
Exons	459..582		
Seq. No.	19504	Seq. ID	OJ990706_08.9A01.C18
Gene No.	40737	Strand	-
Start	1	End	402
Name	OJ990706_08.9A01.C18.o1.gp	Method	AAT/GAP
Start	1	End	148
GI	4715993	Score	296
Exons	1..148		
Seq. No.	19504	Seq. ID	OJ990706_08.9A01.C18
Gene No.	40737	Strand	-
Start	1	End	402
Name	OJ990706_08.9A01.C18.o1.tm	Method	TBLASTX:Maize
Start	5	End	331
GI	none	Score	55
Exons	5..106, 51..110, 58..111, 61..108, 139..330, 152..331, 153..323		
Seq. No.	19504	Seq. ID	OJ990706_08.9A01.C18
Gene No.	40737	Strand	-
Start	1	End	402
Name	OJ990706_08.9A01.C18.o2.gp	Method	AAT/GAP
Start	12	End	330
GI	none	Score	423
Exons	12..330		
Seq. No.	19504	Seq. ID	OJ990706_08.9A01.C18
Gene No.	40737	Strand	-
Start	1	End	402
Name	OJ990706_08.9A01.C18.o1.tc	Method	TBLASTX:Cress
Start	150	End	331
GI	none	Score	197
Exons	150..260, 152..331, 153..326, 170..331		
Seq. No.	19504	Seq. ID	OJ990706_08.9A01.C18
Gene No.	40737	Strand	-
Start	1	End	402
Name	OJ990706_08.9A01.C18.o1.np	Method	AAT/NAP
Start	155	End	402
GI	3080425	Score	216
Exons	155..402		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		
Seq. No.	19504	Seq. ID	OJ990706_08.9A01.C18
Gene No.	40737	Strand	-
Start	1	End	402
Name	OJ990706_08.9A01.C18.o1.ts	Method	TBLASTX:Soybean
Start	197	End	331

GI	none	Score	137
Exons	197..331, 198..326		

Seq. No.	19505	Seq. ID	OJ990626_41.9B16.C1
Gene No.	40738	Strand	+
Start	139	End	246
Name	OJ990626_41.9B16.C1.o1.gp	Method	AAT/GAP
Start	139	End	246
GI	uC-osflcyp088b12b1	Score	146
Exons	139..246		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19505	Seq. ID	OJ990626_41.9B16.C1
Gene No.	40739	Strand	+
Start	564	End	1944
Name	OJ990626_41.9B16.C1.o1.gs	Method	GENSCAN
Start	564	End	1944
GI	none	Score	.58
Exons	564..751, 1080..1205, 1311..1437, 1840..1944		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40740	Strand	+
Start	4585	End	11401
Name	OJ990626_41.9B16.C3.o3.gs	Method	GENSCAN
Start	4585	End	6013
GI	none	Score	.7
Exons	4585..4731, 4958..5043, 5242..6013		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40740	Strand	+
Start	4585	End	11401
Name	OJ990626_41.9B16.C3.o1.np	Method	AAT/NAP
Start	5752	End	11398
GI	6498441	Score	6811
Exons	5752..6815, 7146..7609, 7673..8046, 8230..8365, 8540..8827, 9020..9454, 9626..11023, 11117..11398		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40740	Strand	+
Start	4585	End	11401
Name	OJ990626_41.9B16.C3.o4.gs	Method	GENSCAN
Start	6077	End	7672
GI	none	Score	.41
Exons	6077..7672		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40740	Strand	+
Start	4585	End	11401
Name	OJ990626_41.9B16.C3.o5.gs	Method	GENSCAN
Start	7736	End	11401
GI	none	Score	1
Exons	7736..11401		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40741	Strand	+
Start	14615	End	16720
Name	OJ990626_41.9B16.C3.o7.gs	Method	GENSCAN
Start	14615	End	16224
GI	none	Score	.81
Exons	14615..14696, 15639..15908, 15983..16224		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40741	Strand	+
Start	14615	End	16720
Name	OJ990626_41.9B16.C3.o3.np	Method	AAT/NAP
Start	14676	End	16720
GI	5852179	Score	439
Exons	14676..14696, 15685..15911, 15986..16214, 16678..16720		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40742	Strand	-
Start	1800	End	2978
Name	OJ990626_41.9B16.C3.o2.gs	Method	GENSCAN
Start	1800	End	2978
GI	none	Score	.94
Exons	1800..2978		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o6.tw	Method	TBLASTX:Wheat
Start	5900	End	6292
GI	none	Score	58
Exons	5900..5947, 5954..6052, 5971..6051, 6019..6258, 6035..6292		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o4.tm	Method	TBLASTX:Maize
Start	5942	End	6190
GI	none	Score	189
Exons	5942..6190, 6040..6189		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o3.tw	Method	TBLASTX:Wheat
Start	7030	End	7489
GI	none	Score	408
Exons	7030..7167, 7031..7489, 7043..7192, 7225..7485, 7250..7489		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o1.tw	Method	TBLASTX:Wheat
Start	7680	End	8143
GI	none	Score	96
Exons	7680..7868, 7681..8136, 7682..8143		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o3.ts	Method	TBLASTX:Soybean
Start	7721	End	8086
GI	none	Score	117
Exons	7721..7945, 7952..8086		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o1.tm	Method	TBLASTX:Maize
Start	7811	End	8167
GI	none	Score	392
Exons	7811..8167, 7846..8157, 7862..8167		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o3.tm	Method	TBLASTX:Maize
Start	8194	End	8578
GI	none	Score	358
Exons	8194..8559, 8195..8578		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o2.tw	Method	TBLASTX:Wheat
Start	8251	End	8676
GI	none	Score	496
Exons	8251..8676, 8252..8671		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o1.ts	Method	TBLASTX:Soybean
Start	8330	End	8704
GI	none	Score	280
Exons	8330..8704, 8347..8490		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o5.tw	Method	TBLASTX:Wheat
Start	9302	End	9760
GI	none	Score	234
Exons	9302..9550, 9326..9550, 9391..9564, 9611..9760, 9622..9759		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o2.ts	Method	TBLASTX:Soybean
Start	9449	End	10015
GI	5666795	Score	68
Exons	9449..9547, 9623..9760, 9815..10015		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o8.tw	Method	TBLASTX:Wheat
Start	9763	End	10217
GI	none	Score	193
Exons	9763..9939, 9776..9964, 9815..10075, 10164..10217		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o2.tm	Method	TBLASTX:Maize
Start	10268	End	10591
GI	none	Score	370
Exons	10268..10591, 10297..10578		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o4.tw	Method	TBLASTX:Wheat
Start	10405	End	10786
GI	none	Score	377
Exons	10405..10461, 10406..10786, 10502..10747, 10507..10755		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o7.tw	Method	TBLASTX:Wheat
Start	10787	End	11389
GI	none	Score	265
Exons	10787..11071, 10792..11070, 11263..11385, 11264..11389		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o6.gs	Method	GENSCAN
Start	12044	End	13620
GI	none	Score	.51
Exons	12044..13425, 13536..13620		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o2.np	Method	AAT/NAP
Start	12047	End	16088
GI	5803259	Score	2084
Exons	12047..13779, 15778..16088		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	19506	Seq. ID	OJ990626_41.9B16.C3
Gene No.	40743	Strand	-
Start	12044	End	16214
Name	OJ990626_41.9B16.C3.o1.gp	Method	AAT/GAP
Start	13782	End	16214
GI	61605_1.R1084	Score	763
Exons	13782..14054, 15184..15264, 15907..16214		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	19507	Seq. ID	OJ990626_41.9B16.C4
Gene No.	40744	Strand	+
Start	1	End	2686
Name	OJ990626_41.9B16.C4.o1.np	Method	AAT/NAP
Start	1	End	2369
GI	161752	Score	114
Exons	1..21, 1341..1415, 1533..1666, 1700..1781, 1921..1999, 2267..2369		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	19507	Seq. ID	OJ990626_41.9B16.C4
Gene No.	40744	Strand	+
Start	1	End	2686
Name	OJ990626_41.9B16.C4.o1.gs	Method	GENSCAN
Start	1049	End	2686
GI	none	Score	.52
Exons	1049..1439, 1749..2422, 2531..2686		

Seq. No.	19507	Seq. ID	OJ990626_41.9B16.C4
Gene No.	40745	Strand	-
Start	1	End	10192
Name	OJ990626_41.9B16.C4.o2.np	Method	AAT/NAP
Start	1	End	7151
GI	5852180	Score	718
Exons	1..44, 4698..4735, 5436..5851, 5903..6019, 7099..7151		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19507	Seq. ID	OJ990626_41.9B16.C4
Gene No.	40745	Strand	-
Start	1	End	10192
Name	OJ990626_41.9B16.C4.o3.np	Method	AAT/NAP
Start	5821	End	10192
GI	5803259	Score	2362
Exons	5821..6059, 8606..8831, 8931..10192		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	19507	Seq. ID	OJ990626_41.9B16.C4
Gene No.	40745	Strand	-
Start	1	End	10192
Name	OJ990626_41.9B16.C4.o3.gs	Method	GENSCAN
Start	8571	End	10192
GI	none	Score	.74
Exons	8571..8579, 8606..8831, 8931..9996, 10063..10192		

Seq. No.	19508	Seq. ID	OJ990626_41.9B16.C5
Gene No.	40746	Strand	+
Start	3	End	5853
Name	OJ990626_41.9B16.C5.o1.gs	Method	GENSCAN
Start	3	End	5853
GI	none	Score	.56
Exons	3..129, 438..529, 5096..5194, 5548..5853		

Seq. No.	19508	Seq. ID	OJ990626_41.9B16.C5
Gene No.	40747	Strand	-

Start	12830	End	14808
Name	OJ990626_41.9B16.C5.o2.np	Method	AAT/NAP
Start	12830	End	14808
GI	1208496	Score	132
Exons	12830..12904, 14232..14438, 14743..14808		
GI Descrip.	(D38124) EREBP-3 [Nicotiana tabacum]		

Seq. No.	19509	Seq. ID	OJ990626_41.9B16.C6
Gene No.	40748	Strand	+
Start	302	End	399
Name	OJ990626_41.9B16.C6.o1.np	Method	AAT/NAP
Start	302	End	399
GI	6006359	Score	47
Exons	302..399		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	19510	Seq. ID	OJ990626_41.9B16.C7
Gene No.	40749	Strand	+
Start	1732	End	1837
Name	OJ990626_41.9B16.C7.o2.gp	Method	AAT/GAP
Start	1732	End	1837
GI	5816518	Score	162
Exons	1732..1837		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19510	Seq. ID	OJ990626_41.9B16.C7
Gene No.	40750	Strand	-
Start	1277	End	5829
Name	OJ990626_41.9B16.C7.o1.gs	Method	GENSCAN
Start	1277	End	3381
GI	none	Score	.41
Exons	1277..1444, 2506..2567, 3228..3381		

Seq. No.	19510	Seq. ID	OJ990626_41.9B16.C7
Gene No.	40750	Strand	-
Start	1277	End	5829
Name	OJ990626_41.9B16.C7.o1.gp	Method	AAT/GAP
Start	1475	End	1723
GI	3761181	Score	413
Exons	1475..1723		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19510	Seq. ID	OJ990626_41.9B16.C7
Gene No.	40750	Strand	-
Start	1277	End	5829
Name	OJ990626_41.9B16.C7.o1.np	Method	AAT/NAP
Start	3250	End	5829
GI	5091513	Score	1608
Exons	3250..3460, 4415..5829		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19510	Seq. ID	OJ990626_41.9B16.C7
Gene No.	40750	Strand	-
Start	1277	End	5829
Name	OJ990626_41.9B16.C7.o2.gs	Method	GENSCAN

Start	3935	End	5567
GI	none	Score	.72
Exons	3935..4362, 4526..5567		

Seq. No.	19511	Seq. ID	OJ990626_41.9B16.C8
Gene No.	40751	Strand	+
Start	5072	End	7109
Name	OJ990626_41.9B16.C8.o2.gs	Method	GENSCAN
Start	5072	End	7109
GI	none	Score	.67
Exons	5072..5229, 5334..5491, 6097..6497, 6576..7109		

Seq. No.	19511	Seq. ID	OJ990626_41.9B16.C8
Gene No.	40752	Strand	-
Start	1	End	6859
Name	OJ990626_41.9B16.C8.o1.np	Method	AAT/NAP
Start	1	End	6859
GI	5091513	Score	902
Exons	1..211, 948..1438, 6838..6859		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19511	Seq. ID	OJ990626_41.9B16.C8
Gene No.	40752	Strand	-
Start	1	End	6859
Name	OJ990626_41.9B16.C8.o1.gs	Method	GENSCAN
Start	846	End	1999
GI	none	Score	.49
Exons	846..1544, 1806..1866, 1935..1999		

Seq. No.	19511	Seq. ID	OJ990626_41.9B16.C8
Gene No.	40752	Strand	-
Start	1	End	6859
Name	OJ990626_41.9B16.C8.o1.gp	Method	AAT/GAP
Start	1897	End	2145
GI	3761181	Score	410
Exons	1897..2145		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19511	Seq. ID	OJ990626_41.9B16.C8
Gene No.	40752	Strand	-
Start	1	End	6859
Name	OJ990626_41.9B16.C8.o2.gp	Method	AAT/GAP
Start	2153	End	2262
GI	5816518	Score	157
Exons	2153..2262		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	19511	Seq. ID	OJ990626_41.9B16.C8
Gene No.	40753	Strand	-
Start	8136	End	8596
Name	OJ990626_41.9B16.C8.o1.tm	Method	TBLASTX:Maize
Start	6201	End	7154
GI	none	Score	305
Exons	6201..6500, 6216..6497, 6323..6520, 6573..6770, 6573..6728, 6716..6748, 6825..6968, 6884..6967, 7077..7154		

Seq. No.	19511	Seq. ID	OJ990626_41.9B16.C8
Gene No.	40753	Strand	-
Start	8136	End	8596
Name	OJ990626_41.9B16.C8.o3.gs	Method	GENSCAN
Start	8136	End	8596
GI	none	Score	.99
Exons	8136..8209, 8587..8596		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40754	Strand	+
Start	524	End	697
Name	OJ990626_41.9B16.C9.o1.np	Method	AAT/NAP
Start	524	End	697
GI	6063554	Score	130
Exons	524..697		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40755	Strand	+
Start	1084	End	1255
Name	OJ990626_41.9B16.C9.o1.gp	Method	AAT/GAP
Start	1084	End	1255
GI	LIB3433-026-P1-K1-C1	Score	251
Exons	1084..1255		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40756	Strand	+
Start	4200	End	5926
Name	OJ990626_41.9B16.C9.o3.np	Method	AAT/NAP
Start	4200	End	5926
GI	6907086	Score	850
Exons	4200..4980, 5042..5243, 5464..5926		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40757	Strand	-
Start	1380	End	2022
Name	OJ990626_41.9B16.C9.o2.np	Method	AAT/NAP
Start	1380	End	2022
GI	6002794	Score	927
Exons	1380..2022		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40758	Strand	-
Start	4669	End	7229
Name	OJ990626_41.9B16.C9.o4.np	Method	AAT/NAP
Start	4669	End	6907
GI	2213632	Score	880
Exons	4669..4735, 6170..6907		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40758	Strand	-
Start	4669	End	7229
Name	OJ990626_41.9B16.C9.o1.tm	Method	TBLASTX:Maize
Start	6188	End	6661
GI	none	Score	54
Exons	6188..6259, 6188..6253, 6254..6595, 6260..6295, 6293..6661, 6294..6611		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40758	Strand	-
Start	4669	End	7229
Name	OJ990626_41.9B16.C9.o1.tw	Method	TBLASTX:Wheat
Start	6200	End	6622
GI	none	Score	178
Exons	6200..6427, 6204..6425, 6204..6428, 6205..6426, 6409..6606, 6437..6622, 6444..6620		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40758	Strand	-
Start	4669	End	7229
Name	OJ990626_41.9B16.C9.o3.tw	Method	TBLASTX:Wheat
Start	6623	End	6743
GI	none	Score	123
Exons	6623..6742, 6624..6743		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40758	Strand	-
Start	4669	End	7229
Name	OJ990626_41.9B16.C9.o2.tm	Method	TBLASTX:Maize
Start	6683	End	7229
GI	none	Score	186
Exons	6683..7027, 6690..7028, 7110..7229		

Seq. No.	19512	Seq. ID	OJ990626_41.9B16.C9
Gene No.	40758	Strand	-
Start	4669	End	7229
Name	OJ990626_41.9B16.C9.o2.tw	Method	TBLASTX:Wheat
Start	6743	End	7205
GI	none	Score	141
Exons	6743..7027, 6744..7007, 7110..7205		

Seq. No.	19513	Seq. ID	OJ990626_41.9B16.C10
Gene No.	40759	Strand	+
Start	41	End	2885
Name	OJ990626_41.9B16.C10.o1.gs	Method	GENSCAN
Start	41	End	2876
GI	none	Score	.73
Exons	41..177, 775..901, 983..1099, 1175..1315, 1391..1501, 1597..1865, 2178..2257, 2405..2455, 2554..2876		

Seq. No.	19513	Seq. ID	OJ990626_41.9B16.C10
Gene No.	40759	Strand	+
Start	41	End	2885
Name	OJ990626_41.9B16.C10.o1.np	Method	AAT/NAP
Start	851	End	2885
GI	2384863	Score	284

Exons	851..1099, 1175..1315, 1391..1610, 1789..1911, 2298..2455, 2554..2885		
GI Descrip.	(AF022976) Contains similarity to Pfam domain: PF00561 (abhydrolase), Score=10.6, E-value=0.0093, N=1 [Caenorhabditis elegans]		

Seq. No.	19513	Seq. ID	OJ990626_41.9B16.C10
Gene No.	40760	Strand	-
Start	2813	End	3154
Name	OJ990626_41.9B16.C10.o1.ts	Method	TBLASTX:Soybean
Start	851	End	1501
GI	none	Score	44
Exons	851..904, 973..1101, 974..1096, 1175..1300, 1175..1294, 1382..1501		

Seq. No.	19513	Seq. ID	OJ990626_41.9B16.C10
Gene No.	40760	Strand	-
Start	2813	End	3154
Name	OJ990626_41.9B16.C10.o1.tm	Method	TBLASTX:Maize
Start	878	End	1743
GI	none	Score	40
Exons	878..913, 983..1033, 1067..1093, 1166..1273, 1172..1312, 1177..1290, 1388..1495, 1394..1498, 1597..1743		

Seq. No.	19513	Seq. ID	OJ990626_41.9B16.C10
Gene No.	40760	Strand	-
Start	2813	End	3154
Name	OJ990626_41.9B16.C10.o2.ts	Method	TBLASTX:Soybean
Start	2559	End	2840
GI	none	Score	149
Exons	2559..2744, 2583..2699, 2730..2840		

Seq. No.	19513	Seq. ID	OJ990626_41.9B16.C10
Gene No.	40760	Strand	-
Start	2813	End	3154
Name	OJ990626_41.9B16.C10.o1.gp	Method	AAT/GAP
Start	2813	End	3154
GI	uC-osflcyp134c03a1	Score	645
Exons	2813..3154		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	19514	Seq. ID	OJ990626_41.9B16.C11
Gene No.	40761	Strand	+
Start	1	End	624
Name	OJ990626_41.9B16.C11.o1.np	Method	AAT/NAP
Start	1	End	552
GI	5091513	Score	847
Exons	1..552		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19514	Seq. ID	OJ990626_41.9B16.C11
Gene No.	40761	Strand	+
Start	1	End	624
Name	OJ990626_41.9B16.C11.o1.gs	Method	GENSCAN
Start	10	End	624
GI	none	Score	.94

Exons	10..624		
Seq. No.	19515	Seq. ID	OJ990626_41.9B16.C12
Gene No.	40762	Strand	+
Start	1	End	1354
Name	OJ990626_41.9B16.C12.o1.np	Method	AAT/NAP
Start	1	End	1354
GI	3834307	Score	163
Exons	1..152, 270..506, 1165..1354		
GI Descrip.	(AC005679) Strong similarity to gene T10I14.120 gi|2832679 putative protein from Arabidopsis thaliana BAC gb|AL021712. ESTs gb|N65887 and gb|N65627 come from this gene. [Arabidopsis thaliana]		
Seq. No.	19515	Seq. ID	OJ990626_41.9B16.C12
Gene No.	40762	Strand	+
Start	1	End	1354
Name	OJ990626_41.9B16.C12.o1.gs	Method	GENSCAN
Start	20	End	510
GI	none	Score	.82
Exons	20..162, 333..510		
Seq. No.	19515	Seq. ID	OJ990626_41.9B16.C12
Gene No.	40763	Strand	-
Start	1124	End	1426
Name	OJ990626_41.9B16.C12.o2.gs	Method	GENSCAN
Start	1124	End	1426
GI	none	Score	.95
Exons	1124..1426		
Seq. No.	19515	Seq. ID	OJ990626_41.9B16.C12
Gene No.	40764	Strand	-
Start	10496	End	22773
Name	OJ990626_41.9B16.C12.o4.gs	Method	GENSCAN
Start	10496	End	22773
GI	none	Score	.7
Exons	10496..11132, 11150..11746, 12475..12662, 12804..12932, 13051..13161, 18543..18625, 18806..18964, 19543..19860, 19893..20328, 21877..21899, 22241..22361, 22765..22773		
Seq. No.	19515	Seq. ID	OJ990626_41.9B16.C12
Gene No.	40764	Strand	-
Start	10496	End	22773
Name	OJ990626_41.9B16.C12.o2.gp	Method	AAT/GAP
Start	13169	End	13276
GI	uC-osflcyp088b12b1	Score	151
Exons	13169..13276		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	19515	Seq. ID	OJ990626_41.9B16.C12
Gene No.	40764	Strand	-
Start	10496	End	22773
Name	OJ990626_41.9B16.C12.o1.tm	Method	TBLASTX:Maize
Start	20107	End	20368
GI	none	Score	48
Exons	20107..20142, 20108..20143, 20192..20368, 20194..20340		

Seq. No.	19516	Seq. ID	OJ990626_41.9B16.C13
Gene No.	40765	Strand	-
Start	1	End	640
Name	OJ990626_41.9B16.C13.o1.np	Method	AAT/NAP
Start	1	End	640
GI	2498930	Score	732
Exons	1..412, 580..640		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	19516	Seq. ID	OJ990626_41.9B16.C13
Gene No.	40765	Strand	-
Start	1	End	640
Name	OJ990626_41.9B16.C13.o1.gs	Method	GENSCAN
Start	110	End	639
GI	none	Score	.47
Exons	110..412, 580..639		

Seq. No.	19517	Seq. ID	OJ990626_41.9B16.C14
Gene No.	40766	Strand	-
Start	1	End	572
Name	OJ990626_41.9B16.C14.o1.np	Method	AAT/NAP
Start	1	End	572
GI	5091513	Score	526
Exons	1..572		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	19517	Seq. ID	OJ990626_41.9B16.C14
Gene No.	40766	Strand	-
Start	1	End	572
Name	OJ990626_41.9B16.C14.o1.gs	Method	GENSCAN
Start	19	End	522
GI	none	Score	.72
Exons	19..107, 195..522		

Seq. No.	19518	Seq. ID	OJ990626_35.9B05.C1
Gene No.	40767	Strand	+
Start	366	End	6905
Name	OJ990626_35.9B05.C1.o1.gs	Method	GENSCAN
Start	366	End	6905
GI	none	Score	.59
Exons	366..494, 1395..1480, 1567..2301, 2380..2511, 2524..2749, 2922..3484, 3712..3753, 3873..3988, 4086..4225, 4747..4785, 5038..5110, 5263..5314, 5449..5520, 6275..6466, 6502..6681, 6696..6905		

Seq. No.	19518	Seq. ID	OJ990626_35.9B05.C1
Gene No.	40768	Strand	+
Start	9262	End	10544
Name	OJ990626_35.9B05.C1.o1.np	Method	AAT/NAP
Start	9262	End	10544
GI	5852175	Score	158
Exons	9262..9403, 9747..9799, 10404..10544		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	19518	Seq. ID	OJ990626_35.9B05.C1

Gene No.	40769	Strand	+
Start	10575	End	12486
Name	OJ990626_35.9B05.C1.o3.gs	Method	GENSCAN
Start	10575	End	12202
GI	none	Score	.54
Exons	10575..10737, 10972..11094, 11633..11760, 12146..12202		

Seq. No.	19518	Seq. ID	OJ990626_35.9B05.C1
Gene No.	40769	Strand	+
Start	10575	End	12486
Name	OJ990626_35.9B05.C1.o2.np	Method	AAT/NAP
Start	11008	End	12486
GI	5852182	Score	291
Exons	11008..11028, 12150..12486		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	19518	Seq. ID	OJ990626_35.9B05.C1
Gene No.	40770	Strand	+
Start	13467	End	16700
Name	OJ990626_35.9B05.C1.o4.gs	Method	GENSCAN
Start	13467	End	16700
GI	none	Score	.67
Exons	13467..13552, 13743..13978, 14156..14298, 14720..15465, 15613..15794, 16089..16375, 16451..16510, 16587..16700		

Seq. No.	19518	Seq. ID	OJ990626_35.9B05.C1
Gene No.	40771	Strand	-
Start	9026	End	9489
Name	OJ990626_35.9B05.C1.o2.gs	Method	GENSCAN
Start	9026	End	9489
GI	none	Score	.55
Exons	9026..9279, 9288..9489		

Seq. No.	19519	Seq. ID	OJ990626_35.9B05.C2
Gene No.	40772	Strand	+
Start	51	End	386
Name	OJ990626_35.9B05.C2.o1.gs	Method	GENSCAN
Start	51	End	386
GI	none	Score	.93
Exons	51..386		

Seq. No.	19520	Seq. ID	OJ990626_35.9B05.C3
Gene No.	40773	Strand	-
Start	1	End	605
Name	OJ990626_35.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	605
GI	4544372	Score	470
Exons	1..605		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19520	Seq. ID	OJ990626_35.9B05.C3
Gene No.	40773	Strand	-
Start	1	End	605
Name	OJ990626_35.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	279
GI	none	Score	130

Exons 1..279, 2..127, 15..218, 16..279

Seq. No.	19520	Seq. ID	OJ990626_35.9B05.C3
Gene No.	40773	Strand	-
Start	1	End	605
Name	OJ990626_35.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	204
GI	none	Score	90
Exons	1..204, 2..121		

Seq. No.	19520	Seq. ID	OJ990626_35.9B05.C3
Gene No.	40773	Strand	-
Start	1	End	605
Name	OJ990626_35.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	148	End	552
GI	none	Score	200
Exons	148..495, 154..495, 191..502, 446..499, 496..552, 497..547		

Seq. No.	19520	Seq. ID	OJ990626_35.9B05.C3
Gene No.	40773	Strand	-
Start	1	End	605
Name	OJ990626_35.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	280	End	498
GI	none	Score	187
Exons	280..498, 281..496		

Seq. No.	19521	Seq. ID	OJ990626_35.9B05.C4
Gene No.	40774	Strand	+
Start	1224	End	1500
Name	OJ990626_35.9B05.C4.o1.gs	Method	GENSCAN
Start	1224	End	1500
GI	none	Score	.89
Exons	1224..1329, 1412..1500		

Seq. No.	19521	Seq. ID	OJ990626_35.9B05.C4
Gene No.	40775	Strand	-
Start	1043	End	1691
Name	OJ990626_35.9B05.C4.o1.np	Method	AAT/NAP
Start	1043	End	1691
GI	4585985	Score	62
Exons	1043..1144, 1660..1691		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19522	Seq. ID	OJ990626_35.9B05.C5
Gene No.	40776	Strand	+
Start	78	End	707
Name	OJ990626_35.9B05.C5.o1.gs	Method	GENSCAN
Start	78	End	700
GI	none	Score	.77
Exons	78..191, 271..700		

Seq. No.	19522	Seq. ID	OJ990626_35.9B05.C5
Gene No.	40776	Strand	+
Start	78	End	707
Name	OJ990626_35.9B05.C5.o1.np	Method	AAT/NAP
Start	307	End	707
GI	6272381	Score	86

Exons	307..539, 665..707		
GI Descrip.	(AC007918) Similar to gi|4325351 T25H8.2 TNP2 protein homolog from Arabidopsis thaliana BAC gb|AF128394.		

Seq. No.	19523	Seq. ID	OJ990626_35.9B05.C6
Gene No.	40777	Strand	-
Start	1	End	506
Name	OJ990626_35.9B05.C6.o1.np	Method	AAT/NAP
Start	1	End	506
GI	2498930	Score	499
Exons	1..275, 443..506		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	19523	Seq. ID	OJ990626_35.9B05.C6
Gene No.	40777	Strand	-
Start	1	End	506
Name	OJ990626_35.9B05.C6.o1.gs	Method	GENSCAN
Start	78	End	502
GI	none	Score	.86
Exons	78..275, 443..502		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40778	Strand	+
Start	13	End	2739
Name	OJ990626_35.9B05.C8.o1.gs	Method	GENSCAN
Start	13	End	2739
GI	none	Score	.81
Exons	13..128, 634..803, 912..1575, 1610..1832, 1930..2739		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40779	Strand	+
Start	8260	End	11711
Name	OJ990626_35.9B05.C8.o2.np	Method	AAT/NAP
Start	8260	End	11711
GI	2160137	Score	316
Exons	8260..8300, 11004..11193, 11323..11711		
GI Descrip.	(AC000375) Similar to Arabidopsis light repressible receptor protein kinase (gb|X97774). [Arabidopsis thaliana]		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40779	Strand	+
Start	8260	End	11711
Name	OJ990626_35.9B05.C8.o3.gs	Method	GENSCAN
Start	11306	End	11674
GI	none	Score	.54
Exons	11306..11674		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40780	Strand	+
Start	22811	End	23194
Name	OJ990626_35.9B05.C8.o2.gp	Method	AAT/GAP
Start	22811	End	23194
GI	uC-osflcyp033a04b1	Score	643
Exons	22811..23194		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40781	Strand	-
Start	3997	End	10419
Name	OJ990626_35.9B05.C8.o1.np	Method	AAT/NAP
Start	3967	End	8128
GI	4206306	Score	2919
Exons	3967..7785, 8023..8128		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40781	Strand	-
Start	3997	End	10419
Name	OJ990626_35.9B05.C8.o2.gs	Method	GENSCAN
Start	3997	End	10419
GI	none	Score	.41
Exons	3997..4401, 4471..4763, 4796..4943, 5008..5195, 5346..5704, 5970..7152, 7248..7956, 8023..8646, 8709..8822, 9106..9215, 9233..10076, 10417..10419		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40782	Strand	-
Start	13798	End	16054
Name	OJ990626_35.9B05.C8.o1.gp	Method	AAT/GAP
Start	13798	End	16054
GI	none	Score	1797
Exons	13798..14110, 14260..14325, 14403..14515, 15089..15198, 15549..15702, 15811..16054		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o3.ts	Method	TBLASTX:Soybean
Start	4543	End	4918
GI	none	Score	48
Exons	4543..4767, 4622..4768, 4774..4917, 4775..4918		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	4558	End	4920
GI	none	Score	172
Exons	4558..4812, 4558..4920, 4559..4828		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o5.tw	Method	TBLASTX:Wheat
Start	4690	End	5079
GI	none	Score	231
Exons	4690..5079		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o5.tm	Method	TBLASTX:Maize

Start	4921	End	5190
GI	none	Score	82
Exons	4921..5190, 4931..5086		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o3.tw	Method	TBLASTX:Wheat
Start	5389	End	5820
GI	none	Score	89
Exons	5389..5679, 5396..5563, 5612..5674, 5703..5819, 5707..5820		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	6071	End	6472
GI	none	Score	61
Exons	6071..6472, 6087..6242, 6264..6350		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	6104	End	6517
GI	none	Score	140
Exons	6104..6517, 6200..6517		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	6191	End	6574
GI	none	Score	76
Exons	6191..6574, 6204..6350, 6296..6541		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	6602	End	6958
GI	none	Score	222
Exons	6602..6958, 6615..6953		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	6632	End	7063
GI	none	Score	203
Exons	6632..7063, 6633..6875, 6936..7061		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o4.ts	Method	TBLASTX:Soybean
Start	6683	End	7048

GI	none	Score	108
Exons	6683..6817, 6824..7048		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o6.tw	Method	TBLASTX:Wheat
Start	7279	End	7635
GI	none	Score	55
Exons	7279..7503, 7283..7387, 7294..7446, 7510..7635		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o6.tm	Method	TBLASTX:Maize
Start	11002	End	11413
GI	none	Score	162
Exons	11002..11199, 11003..11203, 11324..11413		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	11003	End	11404
GI	none	Score	151
Exons	11003..11197, 11309..11404		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	11009	End	11413
GI	5677580	Score	154
Exons	11009..11203, 11029..11121, 11324..11413		
GI Descrip.	3776574 2.0e-59 (AC005388) Similar to T11J7.13 gi_2880051 putative protein kinase from Arabidopsis thaliana BAC gb_AC002340. [Arabidopsis thaliana]		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o8.tw	Method	TBLASTX:Wheat
Start	11024	End	11404
GI	none	Score	136
Exons	11024..11197, 11309..11404		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o4.tm	Method	TBLASTX:Maize
Start	16266	End	17406
GI	none	Score	80
Exons	16266..16397, 16277..16396, 16285..16407, 16292..16408, 16293..16397, 16300..16413, 16315..16440, 16315..16398, 16375..16404, 16447..16587, 16464..16616, 16478..16591, 16479..16562, 16479..16550, 16479..16595, 16492..16572, 16604..16753, 16610..16750, 16612..16710, 16613..16756,		

16619..16705, 16633..16731, 16636..16719, 16733..16837,
16755..16829, 16766..16834, 16769..16834, 16775..16834,
16779..17000, 16803..16892, 16803..16895, 16821..16856,
16832..16945, 16839..17036, 16840..17070, 16841..17071,
16892..16945, 16936..17073, 16945..17064, 16957..17079,
17007..17069, 17007..17063, 17094..17234, 17103..17228,
17118..17219, 17137..17247, 17150..17263, 17239..17406,
17275..17361, 17275..17403, 17276..17404, 17277..17366,
17279..17359, 17285..17383

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o3.np	Method	AAT/NAP
Start	18277	End	26927
GI	6742729	Score	1073
Exons	18277..18923, 26507..26927		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o4.tw	Method	TBLASTX:Wheat
Start	18368	End	18800
GI	none	Score	34
Exons	18368..18499, 18385..18414, 18387..18440, 18482..18553, 18506..18550, 18507..18557, 18543..18662, 18544..18663, 18554..18661, 18555..18662, 18556..18663, 18682..18798, 18682..18759, 18684..18800		

Seq. No.	19524	Seq. ID	OJ990626_35.9B05.C8
Gene No.	40783	Strand	-
Start	18277	End	26927
Name	OJ990626_35.9B05.C8.o7.tw	Method	TBLASTX:Wheat
Start	26499	End	26722
GI	none	Score	126
Exons	26499..26684, 26507..26686, 26524..26712, 26693..26722, 26695..26721		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40784	Strand	+
Start	13915	End	14055
Name	OJ990626_35.9B05.C9.o2.gp	Method	AAT/GAP
Start	13915	End	14055
GI	LIB3431-027-P1-K1-D5	Score	196
Exons	13915..14055		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40785	Strand	+
Start	15752	End	21362
Name	OJ990626_35.9B05.C9.o4.gs	Method	GENSCAN
Start	15752	End	21362
GI	none	Score	.61
Exons	15752..16007, 16456..16506, 16787..16911, 18406..19329, 19548..20145, 20219..20406, 20481..20670, 20742..20846,		

20918..21052, 21184..21362

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40785	Strand	+
Start	15752	End	21362
Name	OJ990626_35.9B05.C9.o4.np	Method	AAT/NAP
Start	18445	End	21359
GI	6691716	Score	2486
Exons	18445..19329, 19527..19706, 19788..19892, 19969..20145, 20219..20406, 20481..20580, 20730..20846, 20918..21359		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	3950
GI	4544372	Score	554
Exons	1..945, 3928..3950		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o4.tm	Method	TBLASTX:Maize
Start	1	End	24350
GI	none	Score	127
Exons	1..123, 6..176, 6..191, 189..260, 195..260, 24123..24350		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	3	End	24191
GI	none	Score	73
Exons	3..125, 13..87, 23790..24191, 23824..23994, 24030..24152, 24031..24174		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	3	End	24485
GI	none	Score	258
Exons	3..176, 204..266, 276..359, 24066..24485, 24067..24483, 24261..24485		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o1.gs	Method	GENSCAN
Start	35	End	1575
GI	none	Score	.98
Exons	35..945, 1061..1575		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	276	End	24710
GI	none	Score	85
Exons	276..602, 303..509, 376..543, 24354..24710, 24364..24663		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o3.ts	Method	TBLASTX:Soybean
Start	330	End	24800
GI	none	Score	126
Exons	330..464, 471..695, 24435..24569, 24576..24800		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o8.tw	Method	TBLASTX:Wheat
Start	369	End	24719
GI	none	Score	74
Exons	369..614, 370..546, 24486..24656, 24486..24719, 24487..24699		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	618	End	25517
GI	none	Score	117
Exons	618..770, 24720..25013, 24724..24885, 25060..25296, 25062..25292, 25341..25517		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o4.ts	Method	TBLASTX:Soybean
Start	1105	End	25427
GI	none	Score	74
Exons	1105..1443, 25332..25427		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o2.gs	Method	GENSCAN
Start	2846	End	6555
GI	none	Score	.46
Exons	2846..3254, 4301..4367, 4950..6555		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o2.np	Method	AAT/NAP
Start	2881	End	30122
GI	5852180	Score	326
Exons	2881..3254, 4251..4328, 7803..7867, 30099..30122		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o3.gs	Method	GENSCAN
Start	6921	End	12084
GI	none	Score	.5
Exons	6921..7465, 8931..9108, 9136..9422, 9588..9828, 10165..10382, 11360..11665, 12039..12084		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o9.tw	Method	TBLASTX:Wheat
Start	9307	End	18855
GI	none	Score	216
Exons	9307..9480, 18565..18855, 18747..18818		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o3.np	Method	AAT/NAP
Start	12029	End	30122
GI	6522612	Score	224
Exons	12029..12097, 14419..14552, 14975..15181, 15321..15406, 16968..17013, 30103..30122		

GI Descrip. (AL133298) receptor-like protein kinase homolog [Arabidopsis thaliana]

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o6.tm	Method	TBLASTX:Maize
Start	14388	End	15430
GI	none	Score	152
Exons	14388..14555, 14421..14552, 14954..15166, 14973..15140, 14974..15150, 14974..15243, 15329..15430		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o5.gs	Method	GENSCAN
Start	21687	End	24566
GI	none	Score	.96
Exons	21687..24566		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o6.tw	Method	TBLASTX:Wheat
Start	21699	End	22313
GI	none	Score	78
Exons	21699..21836, 21822..21980, 22035..22313, 22051..22158, 22207..22293		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9

Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o5.np	Method	AAT/NAP
Start	21723	End	27797
GI	5922631	Score	6703
Exons	21723..24250, 24857..25780, 25907..26066, 26109..26672, 26718..26920, 27170..27414, 27673..27797		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o5.tm	Method	TBLASTX:Maize
Start	21736	End	21971
GI	none	Score	102
Exons	21736..21840, 21738..21839, 21819..21971		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o8.tm	Method	TBLASTX:Maize
Start	22083	End	22356
GI	none	Score	54
Exons	22083..22169, 22179..22262, 22192..22266, 22249..22356, 22257..22355		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o3.tw	Method	TBLASTX:Wheat
Start	22428	End	22815
GI	none	Score	100
Exons	22428..22619, 22428..22814, 22504..22815		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	22458	End	22821
GI	none	Score	67
Exons	22458..22505, 22459..22506, 22477..22812, 22497..22820, 22510..22821		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o10.tw	Method	TBLASTX:Wheat
Start	22818	End	23117
GI	none	Score	129
Exons	22818..22958, 22971..23117		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o4.tw	Method	TBLASTX:Wheat
Start	23133	End	23555
GI	none	Score	263
Exons	23133..23555, 23143..23547		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	23176	End	23564
GI	none	Score	162
Exons	23176..23556, 23178..23420, 23460..23564		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o7.tm	Method	TBLASTX:Maize
Start	23229	End	23502
GI	none	Score	62
Exons	23229..23327, 23230..23295, 23331..23501, 23332..23502		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o5.tw	Method	TBLASTX:Wheat
Start	23592	End	24021
GI	none	Score	173
Exons	23592..24020, 23593..24021		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o2.tm	Method	TBLASTX:Maize
Start	23679	End	24123
GI	none	Score	84
Exons	23679..23705, 23700..23846, 23716..23847, 23868..24122, 23869..24123		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o6.gs	Method	GENSCAN
Start	24849	End	27797
GI	none	Score	1
Exons	24849..26153, 26220..27797		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o9.tm	Method	TBLASTX:Maize
Start	25032	End	25209
GI	none	Score	110
Exons	25032..25208, 25063..25209		

Seq. No.	19525	Seq. ID	OJ990626_35.9B05.C9
Gene No.	40786	Strand	-
Start	1	End	30122
Name	OJ990626_35.9B05.C9.o7.tw	Method	TBLASTX:Wheat
Start	26094	End	26496
GI	none	Score	113
Exons	26094..26495, 26227..26496		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40787	Strand	+
Start	3657	End	9514
Name	OJ990626_35.9B05.C10.o2.gs	Method	GENSCAN
Start	3657	End	9514
GI	none	Score	.41
Exons	3657..3699, 3860..4171, 4297..4328, 4523..4546, 5396..5702, 7347..7552, 7624..7748, 9448..9514		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40787	Strand	+
Start	3657	End	9514
Name	OJ990626_35.9B05.C10.o2.gp	Method	AAT/GAP
Start	8626	End	9007
GI	uC-osflcyp033a04b1	Score	655
Exons	8626..9007		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40788	Strand	+
Start	10465	End	18691
Name	OJ990626_35.9B05.C10.o2.np	Method	AAT/NAP
Start	10465	End	13130
GI	4559351	Score	147
Exons	10465..10722, 10833..11171, 11308..11445, 13111..13130		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40788	Strand	+
Start	10465	End	18691
Name	OJ990626_35.9B05.C10.o4.gs	Method	GENSCAN
Start	10917	End	16112
GI	none	Score	.52
Exons	10917..10986, 11038..11246, 11328..11459, 11723..11918, 12080..12184, 12525..12602, 13454..13657, 15113..15183, 15393..15446, 15670..15748, 15871..16112		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40788	Strand	+
Start	10465	End	18691
Name	OJ990626_35.9B05.C10.o3.np	Method	AAT/NAP
Start	15079	End	18691
GI	4581156	Score	262
Exons	15079..15183, 15307..15446, 15670..15740, 18673..18691		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40788	Strand	+

Start	10465	End	18691
Name	OJ990626_35.9B05.C10.o3.gp	Method	AAT/GAP
Start	15724	End	16096
GI	76798_1.R1084	Score	396
Exons	15724..15748, 15871..16096		
GI Descrip.	'773414 1.0e-13 (U23751) beta galactosidase [Cloning vector pBBR1MCS-2] >gi_833819 (U25059) LacZ alpha peptide [Cloning vector pBBR1MCS-3] >gi_833823 (U25060) LacZ alpha peptide [Cloning vector pBBR1MCS-4] >gi_833827 (U25061) LacZ alpha peptide [Cloning vector pBBR1MCS-5]'		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40789	Strand	-
Start	113	End	13432
Name	OJ990626_35.9B05.C10.o1.np	Method	AAT/NAP
Start	113	End	13432
GI	5852180	Score	662
Exons	113..194, 6549..6594, 7298..7707, 7759..7876, 8856..8909, 13376..13432		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40789	Strand	-
Start	113	End	13432
Name	OJ990626_35.9B05.C10.o1.gs	Method	GENSCAN
Start	1692	End	3172
GI	none	Score	.82
Exons	1692..1951, 1993..2221, 2307..3121, 3127..3172		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40789	Strand	-
Start	113	End	13432
Name	OJ990626_35.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	5162	End	5527
GI	none	Score	172
Exons	5162..5407, 5185..5316, 5447..5527		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40789	Strand	-
Start	113	End	13432
Name	OJ990626_35.9B05.C10.o1.tw	Method	TBLASTX:Wheat
Start	5240	End	5620
GI	none	Score	172
Exons	5240..5386, 5246..5425, 5437..5604, 5438..5620		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40789	Strand	-
Start	113	End	13432
Name	OJ990626_35.9B05.C10.o3.gs	Method	GENSCAN
Start	10177	End	10395
GI	none	Score	.81
Exons	10177..10319, 10365..10395		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40790	Strand	
Start	14915	End	15744
Name	OJ990626_35.9B05.C10.o1.tc	Method	TBLASTX:Cress

Start	14915	End	15744
GI	none	Score	57
Exons	14915..14986, 14916..14987, 15078..15188, 15094..15186, 15300..15371, 15307..15372, 15371..15442, 15372..15452, 15651..15743, 15667..15744		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40790	Strand	
Start	14915	End	15744
Name	OJ990626_35.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	14916	End	15744
GI	none	Score	70
Exons	14916..14987, 14938..14985, 15084..15188, 15094..15186, 15300..15377, 15307..15372, 15371..15445, 15372..15452, 15651..15743, 15667..15744		

Seq. No.	19526	Seq. ID	OJ990626_35.9B05.C10
Gene No.	40790	Strand	
Start	14915	End	15744
Name	OJ990626_35.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	14916	End	15744
GI	none	Score	60
Exons	14916..14987, 15063..15188, 15094..15186, 15300..15371, 15307..15372, 15372..15452, 15667..15744		

Seq. No.	19527	Seq. ID	OJ990626_35.9B05.C11
Gene No.	40791	Strand	+
Start	2241	End	4740
Name	OJ990626_35.9B05.C11.o2.gs	Method	GENSCAN
Start	2241	End	4740
GI	none	Score	.88
Exons	2241..3219, 3302..3309, 3951..4109, 4393..4423, 4553..4740		

Seq. No.	19527	Seq. ID	OJ990626_35.9B05.C11
Gene No.	40792	Strand	-
Start	1268	End	1760
Name	OJ990626_35.9B05.C11.o1.gs	Method	GENSCAN
Start	1268	End	1760
GI	none	Score	.59
Exons	1268..1595, 1693..1760		

Seq. No.	19528	Seq. ID	OJ990626_35.9B05.C12
Gene No.	40793	Strand	+
Start	1	End	864
Name	OJ990626_35.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	864
GI	4544372	Score	344
Exons	1..35, 168..864		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19528	Seq. ID	OJ990626_35.9B05.C12
Gene No.	40793	Strand	+
Start	1	End	864
Name	OJ990626_35.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	295	End	576
GI	none	Score	226

Exons	295..576, 360..575		
Seq. No.	19528	Seq. ID	OJ990626_35.9B05.C12
Gene No.	40793	Strand	+
Start	1	End	864
Name	OJ990626_35.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	376	End	756
GI	none	Score	76
Exons	376..534, 532..756		
Seq. No.	19529	Seq. ID	OJ990626_35.9B05.C13
Gene No.	40794	Strand	+
Start	1	End	327
Name	OJ990626_35.9B05.C13.o1.gs	Method	GENSCAN
Start	1	End	327
GI	none	Score	.72
Exons	1..39, 262..327		
Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40795	Strand	+
Start	1750	End	1827
Name	OJ990626_35.9B05.C14.o1.np	Method	AAT/NAP
Start	1750	End	1827
GI	6630699	Score	67
Exons	1750..1827		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40796	Strand	+
Start	7248	End	8592
Name	OJ990626_35.9B05.C14.o3.np	Method	AAT/NAP
Start	7248	End	8592
GI	6630699	Score	82
Exons	7248..7276, 8515..8592		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40797	Strand	-
Start	802	End	1546
Name	OJ990626_35.9B05.C14.o1.gs	Method	GENSCAN
Start	802	End	1546
GI	none	Score	.95
Exons	802..982, 1380..1546		
Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40798	Strand	-
Start	1963	End	8454
Name	OJ990626_35.9B05.C14.o2.gs	Method	GENSCAN
Start	1963	End	8182
GI	none	Score	.53
Exons	1963..2077, 3511..3917, 4351..4514, 4827..4851, 6721..6801, 6843..6922, 8083..8182		

Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40798	Strand	-
Start	1963	End	8454
Name	OJ990626_35.9B05.C14.o2.np	Method	AAT/NAP
Start	1966	End	8454
GI	5922620	Score	385
Exons	1966..2216, 3371..3675, 4157..4190, 4827..4851, 8305..8454		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40798	Strand	-
Start	1963	End	8454
Name	OJ990626_35.9B05.C14.o3.gp	Method	AAT/GAP
Start	4885	End	5753
GI	4107138	Score	1245
Exons	4885..5753		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40798	Strand	-
Start	1963	End	8454
Name	OJ990626_35.9B05.C14.o1.gp	Method	AAT/GAP
Start	4886	End	5161
GI	61605_1.R1084	Score	460
Exons	4886..5161		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40798	Strand	-
Start	1963	End	8454
Name	OJ990626_35.9B05.C14.o2.gp	Method	AAT/GAP
Start	4886	End	5160
GI	61605_3.R1084	Score	316
Exons	4886..5160		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40798	Strand	-
Start	1963	End	8454
Name	OJ990626_35.9B05.C14.o4.gp	Method	AAT/GAP
Start	6151	End	6880
GI	101153_1.R1084	Score	422
Exons	6151..6374, 6843..6880		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40799	Strand	-
Start	8872	End	9900
Name	OJ990626_35.9B05.C14.o4.np	Method	AAT/NAP

Start	8731	End	9900
GI	5922620	Score	122
Exons	8731..8887, 9861..9900		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19530	Seq. ID	OJ990626_35.9B05.C14
Gene No.	40799	Strand	-
Start	8872	End	9900
Name	OJ990626_35.9B05.C14.o3.gs	Method	GENSCAN
Start	8872	End	9051
GI	none	Score	.43
Exons	8872..9051		

Seq. No.	19531	Seq. ID	OJ990626_35.9B05.C15
Gene No.	40800	Strand	-
Start	344	End	457
Name	OJ990626_35.9B05.C15.o1.gs	Method	GENSCAN
Start	344	End	457
GI	none	Score	.61
Exons	344..457		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o1.np	Method	AAT/NAP
Start	1	End	2438
GI	5852093	Score	72
Exons	1..33, 592..699, 2399..2438		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o5.np	Method	AAT/NAP
Start	1	End	26619
GI	2586087	Score	29
Exons	1..24, 17733..17796, 26250..26473, 26587..26619		
GI Descrip.	(U72724) receptor kinase-like protein [Oryza sativa]		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o1.gp	Method	AAT/GAP
Start	4361	End	4655
GI	2311065	Score	447
Exons	4361..4655		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o2.np	Method	AAT/NAP
Start	4443	End	7988
GI	4733981	Score	1413

Exons	4443..4689, 5928..6035, 6137..6229, 6321..6413, 6497..6582, 6668..6946, 7029..7162, 7415..7507, 7593..7710, 7817..7988		
GI Descrip.	(AC007268) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o1.gs	Method	GENSCAN
Start	4461	End	7981
GI	none	Score	.93
Exons	4461..4689, 5928..6035, 6137..6229, 6321..6413, 6497..6582, 6668..6946, 7029..7162, 7415..7507, 7593..7710, 7817..7981		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o2.gp	Method	AAT/GAP
Start	4550	End	6394
GI	61952_1.R1084	Score	699
Exons	4550..4689, 5928..6035, 6137..6230, 6321..6394		
GI Descrip.	'4733981/gb|AAD28662.1|AC007268_1 5.0e-35 (AC007268) putative serine carboxypeptidase [Arabidopsis thaliana]'		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o3.gp	Method	AAT/GAP
Start	7645	End	8138
GI	94255_1.R1084	Score	672
Exons	7645..7710, 7817..8138		
GI Descrip.	'4733981/gb|AAD28662.1|AC007268_1 3.0e-15 (AC007268) putative serine carboxypeptidase [Arabidopsis thaliana]'		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o3.gs	Method	GENSCAN
Start	11958	End	14336
GI	none	Score	.53
Exons	11958..11967, 12485..12790, 12849..13183, 13512..13767, 13895..13965, 14022..14195, 14220..14336		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40801	Strand	+
Start	1	End	26619
Name	OJ990616_14.9B24.C3.o5.gs	Method	GENSCAN
Start	22362	End	26434
GI	none	Score	.59
Exons	22362..22421, 22688..22782, 23182..23237, 25267..25314, 26370..26434		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40802	Strand	-
Start	10270	End	12825
Name	OJ990616_14.9B24.C3.o3.np	Method	AAT/NAP
Start	8967	End	12825

GI	6006885	Score	683
Exons	8967..9035, 10248..11657, 12771..12825		
GI Descrip.	(AC008153) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40802	Strand	-
Start	10270	End	12825
Name	OJ990616_14.9B24.C3.o2.gs	Method	GENSCAN
Start	10270	End	11682
GI	none	Score	.97
Exons	10270..11682		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o4.tc	Method	TBLASTX:Cress
Start	4518	End	4691
GI	none	Score	230
Exons	4518..4691, 4520..4606, 4587..4631, 4664..4690		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o2.ts	Method	TBLASTX:Soybean
Start	4563	End	7632
GI	none	Score	84
Exons	4563..4631, 4662..4691, 5918..6031, 6136..6213, 6320..6424, 6493..6585, 6668..6784, 7038..7163, 7077..7163, 7407..7505, 7588..7632		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o3.tm	Method	TBLASTX:Maize
Start	4569	End	7632
GI	none	Score	118
Exons	4569..4691, 5918..6034, 5926..6045, 6135..6194, 6136..6204, 6320..6424, 6493..6585, 6621..6671, 7404..7505, 7588..7632		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	6727	End	7094
GI	none	Score	347
Exons	6727..6963, 6728..6928, 7031..7093, 7032..7094		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o1.tc	Method	TBLASTX:Cress
Start	6776	End	7644
GI	none	Score	212
Exons	6776..6928, 6778..6942, 6868..6942, 7032..7160, 7032..7160, 7033..7164, 7407..7505, 7416..7505, 7417..7506, 7578..7640, 7581..7637, 7588..7644		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o4.tm	Method	TBLASTX:Maize
Start	7688	End	8014
GI	none	Score	35
Exons	7688..7711, 7690..7713, 7814..7846, 7816..7845, 7849..8013, 7850..8014		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o3.ts	Method	TBLASTX:Soybean
Start	7814	End	7978
GI	none	Score	226
Exons	7814..7978, 7815..7886, 7816..7974		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	10219	End	11673
GI	none	Score	45
Exons	10219..10947, 10331..10423, 10487..10825, 10549..10950, 10741..10968, 10753..10893, 10783..10956, 10951..11043, 10981..11058, 11077..11382, 11090..11383, 11101..11403, 11105..11296, 11107..11430, 11146..11211, 11443..11673		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o2.tc	Method	TBLASTX:Cress
Start	10297	End	10854
GI	none	Score	104
Exons	10297..10854, 10343..10660		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o1.ts	Method	TBLASTX:Soybean
Start	10543	End	11193
GI	none	Score	158
Exons	10543..10881, 10544..10870, 10564..10881, 10870..10944, 11101..11193		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o1.tw	Method	TBLASTX:Wheat
Start	10642	End	11430
GI	none	Score	109
Exons	10642..10986, 10643..10825, 10699..10818, 11104..11430		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o3.tc	Method	TBLASTX:Cress

Start	10855	End	11649
GI	none	Score	72
Exons	10855..10971, 10855..10971, 10981..11049, 11086..11433, 11117..11287, 11149..11379, 11440..11649, 11446..11649, 11483..11578		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o4.gs	Method	GENSCAN
Start	15202	End	18122
GI	none	Score	.8
Exons	15202..17663, 18035..18122		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o4.np	Method	AAT/NAP
Start	15205	End	17748
GI	5739323	Score	1685
Exons	15205..17141, 17217..17748		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o5.tm	Method	TBLASTX:Maize
Start	15492	End	17352
GI	none	Score	92
Exons	15492..15725, 15496..15549, 15503..15802, 15521..15796, 15613..15843, 16036..16239, 16252..16371, 16252..16296, 16456..16488, 17164..17352, 17206..17352		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o4.ts	Method	TBLASTX:Soybean
Start	15495	End	17421
GI	none	Score	84
Exons	15495..15578, 15524..15775, 15535..15696, 15542..15790, 15610..15795, 15613..15804, 15613..15795, 15689..15793, 15940..16137, 15964..16230, 15967..16296, 15967..16167, 15967..16242, 16198..16371, 16249..16356, 16252..16371, 16294..16377, 16453..16530, 16519..16569, 17152..17352, 17158..17232, 17161..17283, 17164..17421, 17164..17406, 17164..17370, 17164..17352, 17164..17352, 17167..17352		

Seq. No.	19532	Seq. ID	OJ990616_14.9B24.C3
Gene No.	40803	Strand	-
Start	15202	End	18122
Name	OJ990616_14.9B24.C3.o5.tc	Method	TBLASTX:Cress
Start	15541	End	17436
GI	none	Score	62
Exons	15541..15696, 15542..15769, 15542..15796, 15548..15793, 15613..15807, 15613..15795, 15613..15780, 15613..15804, 15736..15816, 15736..15795, 15937..16254, 15946..16350,		

15946..16239, 16108..16374, 16249..16362, 16252..16437,
16252..16362, 16252..16362, 16252..16374, 16483..16572,
16522..16569, 16588..16686, 16588..16671, 16591..16713,
16807..16917, 17152..17436, 17152..17343, 17158..17430,
17158..17367, 17158..17418, 17158..17367, 17164..17367,
17164..17316, 17164..17328, 17188..17343

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40804	Strand	+
Start	49	End	1657
Name	OJ990616_14.9B24.C5.o1.gs	Method	GENSCAN
Start	49	End	1657
GI	none	Score	.83
Exons	49..530, 1258..1657		

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40805	Strand	+
Start	7675	End	8036
Name	OJ990616_14.9B24.C5.o3.gs	Method	GENSCAN
Start	7675	End	8036
GI	none	Score	.64
Exons	7675..7773, 7875..8036		

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40806	Strand	-
Start	1	End	18090
Name	OJ990616_14.9B24.C5.o1.np	Method	AAT/NAP
Start	1	End	1718
GI	4680184	Score	511
Exons	1..45, 89..638, 671..716, 1028..1627, 1664..1718		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40806	Strand	-
Start	1	End	18090
Name	OJ990616_14.9B24.C5.o3.np	Method	AAT/NAP
Start	172	End	18089
GI	1185397	Score	196
Exons	172..278, 4212..4412, 5253..5390, 8496..8705, 16111..16414, 17361..17481, 17808..18089		
GI Descrip.	(U25281) SH3 domain binding protein [Rattus norvegicus] gi|1587070|prf||2205340A CR16 gene [Rattus norvegicus]		

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40806	Strand	-
Start	1	End	18090
Name	OJ990616_14.9B24.C5.o2.np	Method	AAT/NAP
Start	1498	End	5741
GI	4680186	Score	293
Exons	1498..1594, 1804..1936, 2934..3109, 3612..3779, 5707..5741		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40806	Strand	-
Start	1	End	18090
Name	OJ990616_14.9B24.C5.o2.gs	Method	GENSCAN
Start	2535	End	5479

GI	none	Score	.74
Exons	2535..2655, 3580..3765, 4061..4323, 4919..5479		

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40806	Strand	-
Start	1	End	18090
Name	OJ990616_14.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	4973	End	16279
GI	none	Score	80
Exons	4973..5278, 5063..5239, 5258..5425, 5295..5354, 15791..15916, 15791..16072, 15807..16073, 16145..16279, 16146..16211		

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40806	Strand	-
Start	1	End	18090
Name	OJ990616_14.9B24.C5.o4.gs	Method	GENSCAN
Start	13088	End	16318
GI	none	Score	.83
Exons	13088..13096, 13625..13715, 13972..14005, 14482..14598, 14993..15334, 15811..15963, 16009..16318		

Seq. No.	19533	Seq. ID	OJ990616_14.9B24.C5
Gene No.	40806	Strand	-
Start	1	End	18090
Name	OJ990616_14.9B24.C5.o5.gs	Method	GENSCAN
Start	17959	End	18090
GI	none	Score	.94
Exons	17959..18090		

Seq. No.	19534	Seq. ID	OJ990616_14.9B24.C6
Gene No.	40807	Strand	+
Start	299	End	1008
Name	OJ990616_14.9B24.C6.o1.gs	Method	GENSCAN
Start	299	End	1008
GI	none	Score	.67
Exons	299..315, 897..1008		

Seq. No.	19534	Seq. ID	OJ990616_14.9B24.C6
Gene No.	40808	Strand	-
Start	201	End	4323
Name	OJ990616_14.9B24.C6.o1.np	Method	AAT/NAP
Start	201	End	4323
GI	6069646	Score	292
Exons	201..618, 2359..2886, 4298..4323		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	19534	Seq. ID	OJ990616_14.9B24.C6
Gene No.	40808	Strand	-
Start	201	End	4323
Name	OJ990616_14.9B24.C6.o2.np	Method	AAT/NAP
Start	201	End	2884
GI	6069646	Score	291
Exons	201..618, 2359..2884		

GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	19534	Seq. ID	OJ990616_14.9B24.C6
Gene No.	40808	Strand	-
Start	201	End	4323
Name	OJ990616_14.9B24.C6.o1.tm	Method	TBLASTX:Maize
Start	599	End	866
GI	none	Score	86
Exons	599..751, 603..743, 617..745, 753..866, 759..866		
Seq. No.	19534	Seq. ID	OJ990616_14.9B24.C6
Gene No.	40808	Strand	-
Start	201	End	4323
Name	OJ990616_14.9B24.C6.o2.tm	Method	TBLASTX:Maize
Start	2459	End	2779
GI	none	Score	40
Exons	2459..2590, 2578..2778, 2579..2626, 2681..2779		
Seq. No.	19535	Seq. ID	OJ990616_14.9B24.C8
Gene No.	40809	Strand	+
Start	4902	End	13314
Name	OJ990616_14.9B24.C8.o2.tm	Method	TBLASTX:Maize
Start	1	End	368
GI	none	Score	88
Exons	1..57, 3..56, 148..234, 150..239, 339..368, 339..368		
Seq. No.	19535	Seq. ID	OJ990616_14.9B24.C8
Gene No.	40809	Strand	+
Start	4902	End	13314
Name	OJ990616_14.9B24.C8.o1.np	Method	AAT/NAP
Start	4902	End	13314
GI	2792220	Score	446
Exons	4902..5942, 10982..11031, 11446..11655, 13147..13314		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		
Seq. No.	19535	Seq. ID	OJ990616_14.9B24.C8
Gene No.	40809	Strand	+
Start	4902	End	13314
Name	OJ990616_14.9B24.C8.o2.np	Method	AAT/NAP
Start	6586	End	13314
GI	4519258	Score	340
Exons	6586..6608, 11373..11712, 12275..13314		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		
Seq. No.	19535	Seq. ID	OJ990616_14.9B24.C8
Gene No.	40809	Strand	+
Start	4902	End	13314
Name	OJ990616_14.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	11320	End	13263
GI	none	Score	161
Exons	11320..11649, 11347..11721, 11391..11513, 11422..11793, 11566..11808, 12088..12237, 13060..13155, 13162..13263		

Seq. No.	19535	Seq. ID	OJ990616_14.9B24.C8
Gene No.	40809	Strand	+
Start	4902	End	13314
Name	OJ990616_14.9B24.C8.o1.tm	Method	TBLASTX:Maize
Start	12345	End	12597
GI	none	Score	221
Exons	12345..12596, 12346..12597		

Seq. No.	19536	Seq. ID	OJ990616_14.9B24.C12
Gene No.	40810	Strand	-
Start	1	End	1611
Name	OJ990616_14.9B24.C12.o1.np	Method	AAT/NAP
Start	1	End	1611
GI	6453853	Score	429
Exons	1..34, 502..570, 747..895, 986..1126, 1208..1611		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	19536	Seq. ID	OJ990616_14.9B24.C12
Gene No.	40810	Strand	-
Start	1	End	1611
Name	OJ990616_14.9B24.C12.o1.gs	Method	GENSCAN
Start	524	End	1527
GI	none	Score	.9
Exons	524..570, 747..813, 986..1117, 1202..1527		

Seq. No.	19536	Seq. ID	OJ990616_14.9B24.C12
Gene No.	40810	Strand	-
Start	1	End	1611
Name	OJ990616_14.9B24.C12.o1.tc	Method	TBLASTX:Cress
Start	761	End	1438
GI	none	Score	63
Exons	761..898, 992..1150, 1214..1336, 1218..1430, 1355..1438		

Seq. No.	19536	Seq. ID	OJ990616_14.9B24.C12
Gene No.	40810	Strand	-
Start	1	End	1611
Name	OJ990616_14.9B24.C12.o1.tm	Method	TBLASTX:Maize
Start	761	End	1438
GI	none	Score	85
Exons	761..898, 761..814, 782..901, 783..893, 815..880, 944..1150, 984..1157, 1191..1346, 1214..1336, 1355..1438		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40811	Strand	+
Start	3751	End	7670
Name	OJ990616_14.9B24.C13.o2.np	Method	AAT/NAP
Start	3751	End	7670
GI	5734709	Score	104
Exons	3751..4043, 4556..4831, 4963..5104, 7638..7670		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40811	Strand	+
Start	3751	End	7670
Name	OJ990616_14.9B24.C13.o2.gs	Method	GENSCAN

Start	4571	End	5498
GI	none	Score	.59
Exons	4571..5143, 5148..5498		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40811	Strand	+
Start	3751	End	7670
Name	OJ990616_14.9B24.C13.o3.np	Method	AAT/NAP
Start	5317	End	6622
GI	6815099	Score	78
Exons	5317..5352, 6505..6622		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40812	Strand	-
Start	106	End	5806
Name	OJ990616_14.9B24.C13.o1.gs	Method	GENSCAN
Start	106	End	4070
GI	none	Score	.86
Exons	106..214, 744..799, 922..1122, 1888..2073, 2178..2328, 2400..2628, 2743..3004, 3280..3420, 3960..4070		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40812	Strand	-
Start	106	End	5806
Name	OJ990616_14.9B24.C13.o1.np	Method	AAT/NAP
Start	1488	End	5806
GI	4008010	Score	248
Exons	1488..1613, 1900..2020, 2117..2328, 2397..2671, 2843..3004, 3280..3362, 5770..5806		
GI Descrip.	(AF084036) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40812	Strand	-
Start	106	End	5806
Name	OJ990616_14.9B24.C13.o1.tm	Method	TBLASTX:Maize
Start	1909	End	2626
GI	none	Score	80
Exons	1909..2004, 2232..2327, 2233..2331, 2414..2620, 2415..2612, 2483..2626		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40812	Strand	-
Start	106	End	5806
Name	OJ990616_14.9B24.C13.o1.ts	Method	TBLASTX:Soybean
Start	2181	End	3007
GI	none	Score	42
Exons	2181..2348, 2402..2614, 2828..2932, 2963..3007		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40812	Strand	-
Start	106	End	5806
Name	OJ990616_14.9B24.C13.o1.tw	Method	TBLASTX:Wheat
Start	2226	End	2614
GI	none	Score	59
Exons	2226..2327, 2233..2331, 2399..2614, 2403..2612		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40812	Strand	-
Start	106	End	5806
Name	OJ990616_14.9B24.C13.o1.tc	Method	TBLASTX:Cress
Start	2232	End	2938
GI	none	Score	49
Exons	2232..2348, 2233..2376, 2399..2614, 2403..2522, 2423..2629, 2828..2938		

Seq. No.	19537	Seq. ID	OJ990616_14.9B24.C13
Gene No.	40812	Strand	-
Start	106	End	5806
Name	OJ990616_14.9B24.C13.o2.tw	Method	TBLASTX:Wheat
Start	2747	End	3369
GI	none	Score	104
Exons	2747..2947, 2750..2947, 3274..3369		

Seq. No.	19538	Seq. ID	OJ990616_14.9B24.C14
Gene No.	40813	Strand	+
Start	1566	End	2661
Name	OJ990616_14.9B24.C14.o1.gs	Method	GENSCAN
Start	1566	End	2661
GI	none	Score	.41
Exons	1566..1748, 2539..2661		

Seq. No.	19538	Seq. ID	OJ990616_14.9B24.C14
Gene No.	40814	Strand	-
Start	17	End	16322
Name	OJ990616_14.9B24.C14.o1.np	Method	AAT/NAP
Start	17	End	9766
GI	81286	Score	204
Exons	17..303, 3935..4345, 9687..9766		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	19538	Seq. ID	OJ990616_14.9B24.C14
Gene No.	40814	Strand	-
Start	17	End	16322
Name	OJ990616_14.9B24.C14.o2.gs	Method	GENSCAN
Start	3899	End	12064
GI	none	Score	.63
Exons	3899..4391, 4598..4710, 5020..5220, 6057..6249, 7061..7266, 7660..7806, 7926..8131, 8893..9072, 9077..9162, 9421..9842, 9902..9957, 11938..12064		

Seq. No.	19538	Seq. ID	OJ990616_14.9B24.C14
Gene No.	40814	Strand	-
Start	17	End	16322
Name	OJ990616_14.9B24.C14.o1.tc	Method	TBLASTX:Cress
Start	4876	End	15722
GI	none	Score	81
Exons	4876..4929, 5031..5075, 15343..15531, 15386..15514, 15391..15537, 15618..15722, 15619..15720		

Seq. No.	19538	Seq. ID	OJ990616_14.9B24.C14
Gene No.	40814	Strand	-
Start	17	End	16322

Name	OJ990616_14.9B24.C14.o1.tm	Method	TBLASTX:Maize
Start	4876	End	16040
GI	none	Score	84
Exons	4876..4929, 5028..5075, 15385..15447, 15394..15501, 15415..15531, 15416..15526, 15445..15537, 15447..15599, 15460..15495, 15618..15764, 15663..15758, 15857..15907, 15864..15902, 15920..16039, 15927..16040		

Seq. No.	19538	Seq. ID	OJ990616_14.9B24.C14
Gene No.	40814	Strand	-
Start	17	End	16322
Name	OJ990616_14.9B24.C14.o1.ts	Method	TBLASTX:Soybean
Start	4876	End	15755
GI	none	Score	79
Exons	4876..4929, 5031..5075, 15343..15531, 15386..15517, 15612..15755, 15618..15755		

Seq. No.	19538	Seq. ID	OJ990616_14.9B24.C14
Gene No.	40814	Strand	-
Start	17	End	16322
Name	OJ990616_14.9B24.C14.o2.np	Method	AAT/NAP
Start	11891	End	16322
GI	6453853	Score	446
Exons	11891..11914, 14680..14779, 15194..15262, 15380..15528, 15621..15767, 15857..16322		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	19538	Seq. ID	OJ990616_14.9B24.C14
Gene No.	40814	Strand	-
Start	17	End	16322
Name	OJ990616_14.9B24.C14.o4.gs	Method	GENSCAN
Start	14704	End	16173
GI	none	Score	.94
Exons	14704..14779, 15194..15262, 15380..15528, 15621..15752, 15845..16173		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40815	Strand	+
Start	5105	End	5870
Name	OJ990616_14.9B24.C16.o2.gs	Method	GENSCAN
Start	5105	End	5870
GI	none	Score	.96
Exons	5105..5152, 5682..5870		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40816	Strand	+
Start	6587	End	7438
Name	OJ990616_14.9B24.C16.o3.gs	Method	GENSCAN
Start	6587	End	7438
GI	none	Score	.72
Exons	6587..6683, 7202..7327, 7401..7438		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o1.gs	Method	GENSCAN

Start	105	End	3645
GI	none	Score	.82
Exons	105..159, 663..718, 841..1014, 1600..1785, 1983..2139, 2235..2463, 3000..3258, 3544..3645		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o1.np	Method	AAT/NAP
Start	178	End	9165
GI	3461841	Score	196
Exons	178..203, 1622..1727, 1926..2142, 2235..2463, 2994..3052, 3101..3258, 3544..3624, 9091..9165		
GI Descrip.	(AC005315) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o1.gp	Method	AAT/GAP
Start	653	End	1751
GI	426526	Score	676
Exons	653..718, 841..1014, 1600..1751		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o2.tm	Method	TBLASTX:Maize
Start	1621	End	2449
GI	none	Score	73
Exons	1621..1716, 2043..2135, 2044..2136, 2249..2449, 2250..2447		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o2.gp	Method	AAT/GAP
Start	1988	End	2472
GI	70165_1.R1084	Score	582
Exons	1988..2139, 2235..2472		
GI Descrip.	'5734727/gb|AAD49992.1|AC007259_5 5.0e-25 (AC007259) Very similar to receptor-like protein kinases [Arabidopsis thaliana]'		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o1.tw	Method	TBLASTX:Wheat
Start	2022	End	2449
GI	none	Score	96
Exons	2022..2135, 2234..2449, 2235..2447		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o2.ts	Method	TBLASTX:Soybean
Start	2031	End	3639
GI	none	Score	83
Exons	2031..2135, 2234..2476, 3544..3639		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o2.tc	Method	TBLASTX:Cress
Start	2043	End	3603
GI	none	Score	63
Exons	2043..2135, 2234..2479, 2235..2357, 3112..3246, 3544..3603		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o2.tw	Method	TBLASTX:Wheat
Start	3004	End	3621
GI	none	Score	117
Exons	3004..3243, 3014..3244, 3538..3621		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o2.np	Method	AAT/NAP
Start	5045	End	11416
GI	6453853	Score	384
Exons	5045..5073, 10079..10137, 10538..10606, 10720..10868, 10963..11109, 11227..11416		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o4.gs	Method	GENSCAN
Start	9172	End	11360
GI	none	Score	.53
Exons	9172..9629, 10079..10137, 10538..10606, 10720..10868, 11215..11360		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o3.gp	Method	AAT/GAP
Start	9744	End	10616
GI	2317314	Score	740
Exons	9744..10137, 10538..10616		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o1.tc	Method	TBLASTX:Cress
Start	10537	End	11064
GI	none	Score	85
Exons	10537..10608, 10719..10871, 10726..10857, 10731..10874, 10954..11037, 10960..11064, 10976..11062		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416

Name	OJ990616_14.9B24.C16.o1.ts	Method	TBLASTX:Soybean
Start	10719	End	11097
GI	none	Score	82
Exons	10719..10871, 10726..10854, 10954..11097, 10960..11097		

Seq. No.	19539	Seq. ID	OJ990616_14.9B24.C16
Gene No.	40817	Strand	-
Start	105	End	11416
Name	OJ990616_14.9B24.C16.o1.tm	Method	TBLASTX:Maize
Start	10734	End	11410
GI	none	Score	100
Exons	10734..10841, 10734..10787, 10755..10871, 10756..10866, 10800..10835, 10960..11109, 10976..11062, 11195..11269, 11227..11277, 11290..11409, 11297..11410		

Seq. No.	19540	Seq. ID	OJ990616_14.9B24.C17
Gene No.	40818	Strand	-
Start	252	End	339
Name	OJ990616_14.9B24.C17.o1.gs	Method	GENSCAN
Start	252	End	339
GI	none	Score	.73
Exons	252..339		

Seq. No.	19541	Seq. ID	OJ990426_12.9B18.C1
Gene No.	40819	Strand	-
Start	1	End	679
Name	OJ990426_12.9B18.C1.o1.np	Method	AAT/NAP
Start	1	End	679
GI	4680179	Score	1072
Exons	1..679		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19541	Seq. ID	OJ990426_12.9B18.C1
Gene No.	40819	Strand	-
Start	1	End	679
Name	OJ990426_12.9B18.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	473
GI	none	Score	64
Exons	2..193, 2..313, 150..314, 309..470, 311..472, 318..473		

Seq. No.	19541	Seq. ID	OJ990426_12.9B18.C1
Gene No.	40819	Strand	-
Start	1	End	679
Name	OJ990426_12.9B18.C1.o1.tw	Method	TBLASTX:Wheat
Start	26	End	652
GI	none	Score	46
Exons	26..652, 27..86, 147..650		

Seq. No.	19541	Seq. ID	OJ990426_12.9B18.C1
Gene No.	40819	Strand	-
Start	1	End	679
Name	OJ990426_12.9B18.C1.o2.tm	Method	TBLASTX:Maize
Start	473	End	679
GI	none	Score	146
Exons	473..679, 477..677, 485..679		

Seq. No.	19542	Seq. ID	OJ990426_12.9B18.C2

Gene No.	40820	Strand	-
Start	133	End	574
Name	OJ990426_12.9B18.C2.o1.gs	Method	GENSCAN
Start	133	End	574
GI	none	Score	.72
Exons	133..265, 316..574		

Seq. No.	19543	Seq. ID	OJ990426_12.9B18.C5
Gene No.	40821	Strand	+
Start	2906	End	4394
Name	OJ990426_12.9B18.C5.o1.gp	Method	AAT/GAP
Start	2906	End	4394
GI	2310235	Score	307
Exons	2906..2943, 3356..3495, 4372..4394		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	19543	Seq. ID	OJ990426_12.9B18.C5
Gene No.	40821	Strand	+
Start	2906	End	4394
Name	OJ990426_12.9B18.C5.o2.np	Method	AAT/NAP
Start	3356	End	4394
GI	4680203	Score	1196
Exons	3356..4394		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19543	Seq. ID	OJ990426_12.9B18.C5
Gene No.	40821	Strand	+
Start	2906	End	4394
Name	OJ990426_12.9B18.C5.o3.gs	Method	GENSCAN
Start	3356	End	4370
GI	none	Score	.57
Exons	3356..4370		

Seq. No.	19543	Seq. ID	OJ990426_12.9B18.C5
Gene No.	40822	Strand	-
Start	1	End	4394
Name	OJ990426_12.9B18.C5.o1.np	Method	AAT/NAP
Start	1	End	4394
GI	5295955	Score	328
Exons	1..128, 188..391, 479..601, 1282..1396, 1939..2059, 4374..4394		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	19543	Seq. ID	OJ990426_12.9B18.C5
Gene No.	40822	Strand	-
Start	1	End	4394
Name	OJ990426_12.9B18.C5.o2.gs	Method	GENSCAN
Start	777	End	2316
GI	none	Score	.87
Exons	777..865, 1273..1396, 1871..2008, 2302..2316		

Seq. No.	19543	Seq. ID	OJ990426_12.9B18.C5
Gene No.	40822	Strand	-
Start	1	End	4394
Name	OJ990426_12.9B18.C5.o1.tw	Method	TBLASTX:Wheat
Start	3758	End	4393

GI	none	Score	203
Exons	3758..4066, 3931..4062, 4052..4123, 4075..4122, 4144..4206, 4148..4267, 4265..4393		
Seq. No.	19543	Seq. ID	OJ990426_12.9B18.C5
Gene No.	40822	Strand	-
Start	1	End	4394
Name	OJ990426_12.9B18.C5.o1.ts	Method	TBLASTX:Soybean
Start	3979	End	4393
GI	none	Score	102
Exons	3979..4062, 3980..4054, 4055..4117, 4112..4393, 4144..4389, 4166..4390		
Seq. No.	19543	Seq. ID	OJ990426_12.9B18.C5
Gene No.	40822	Strand	-
Start	1	End	4394
Name	OJ990426_12.9B18.C5.o1.tc	Method	TBLASTX:Cress
Start	4141	End	4393
GI	none	Score	229
Exons	4141..4293, 4148..4393, 4333..4392		
Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o1.gp	Method	AAT/GAP
Start	1	End	1581
GI	342_1.R1084	Score	2864
Exons	1..1581		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o1.np	Method	AAT/NAP
Start	1	End	1629
GI	6742729	Score	2497
Exons	1..1629		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o2.tm	Method	TBLASTX:Maize
Start	2	End	286
GI	none	Score	105
Exons	2..82, 92..286		
Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o3.tw	Method	TBLASTX:Wheat
Start	2	End	252
GI	none	Score	73
Exons	2..43, 10..42, 23..247, 43..252, 44..247, 46..252		
Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6

Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o1.gs	Method	GENSCAN
Start	52	End	1883
GI	none	Score	.83
Exons	52..1460, 1804..1883		

Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o1.ts	Method	TBLASTX:Soybean
Start	116	End	358
GI	none	Score	211
Exons	116..358		

Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o2.tw	Method	TBLASTX:Wheat
Start	391	End	801
GI	none	Score	87
Exons	391..441, 392..454, 460..642, 464..682, 710..790, 711..788, 712..795, 715..801, 716..799		

Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o1.tw	Method	TBLASTX:Wheat
Start	802	End	1582
GI	none	Score	745
Exons	802..1581, 803..1582		

Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o1.tm	Method	TBLASTX:Maize
Start	845	End	1159
GI	none	Score	318
Exons	845..1159, 856..1131, 929..1159		

Seq. No.	19544	Seq. ID	OJ990426_12.9B18.C6
Gene No.	40823	Strand	+
Start	1	End	1883
Name	OJ990426_12.9B18.C6.o1.tc	Method	TBLASTX:Cress
Start	1086	End	1537
GI	none	Score	175
Exons	1086..1268, 1090..1527, 1090..1533, 1094..1537, 1388..1537		

Seq. No.	19545	Seq. ID	OJ990426_12.9B18.C8
Gene No.	40824	Strand	+
Start	1	End	632
Name	OJ990426_12.9B18.C8.o1.np	Method	AAT/NAP
Start	1	End	572
GI	4680203	Score	213
Exons	1..572		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19545	Seq. ID	OJ990426_12.9B18.C8
Gene No.	40824	Strand	+
Start	1	End	632
Name	OJ990426_12.9B18.C8.o1.tw	Method	TBLASTX:Wheat
Start	82	End	578
GI	none	Score	66
Exons	82..183, 200..307, 378..461, 479..577	378..446,	383..448, 477..578,

Seq. No.	19545	Seq. ID	OJ990426_12.9B18.C8
Gene No.	40824	Strand	+
Start	1	End	632
Name	OJ990426_12.9B18.C8.o1.gs	Method	GENSCAN
Start	403	End	632
GI	none	Score	.42
Exons	403..498, 555..632		

Seq. No.	19546	Seq. ID	OJ990426_12.9B18.C10
Gene No.	40825	Strand	+
Start	1	End	431
Name	OJ990426_12.9B18.C10.o1.np	Method	AAT/NAP
Start	1	End	431
GI	4680186	Score	228
Exons	1..71, 199..431		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19546	Seq. ID	OJ990426_12.9B18.C10
Gene No.	40826	Strand	+
Start	793	End	975
Name	OJ990426_12.9B18.C10.o1.gs	Method	GENSCAN
Start	793	End	975
GI	none	Score	.84
Exons	793..975		

Seq. No.	19546	Seq. ID	OJ990426_12.9B18.C10
Gene No.	40827	Strand	-
Start	1	End	359
Name	OJ990426_12.9B18.C10.o1.gp	Method	AAT/GAP
Start	1	End	359
GI	uC-osflcyp033a04b1	Score	643
Exons	1..359		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19547	Seq. ID	OJ990426_12.9B18.C13
Gene No.	40828	Strand	+
Start	1	End	1675
Name	OJ990426_12.9B18.C13.o1.np	Method	AAT/NAP
Start	1	End	1675
GI	6063554	Score	121
Exons	1..88, 837..864, 1504..1675		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19547	Seq. ID	OJ990426_12.9B18.C13
Gene No.	40829	Strand	-

Start	227	End	370
Name	OJ990426_12.9B18.C13.o1.gs	Method	GENSCAN
Start	227	End	370
GI	none	Score	.67
Exons	227..370		

Seq. No.	19547	Seq. ID	OJ990426_12.9B18.C13
Gene No.	40830	Strand	-
Start	806	End	1489
Name	OJ990426_12.9B18.C13.o2.gs	Method	GENSCAN
Start	806	End	1489
GI	none	Score	.68
Exons	806..905, 1380..1489		

Seq. No.	19548	Seq. ID	OJ990426_12.9B18.C17
Gene No.	40831	Strand	-
Start	250	End	339
Name	OJ990426_12.9B18.C17.o1.np	Method	AAT/NAP
Start	250	End	339
GI	6630685	Score	133
Exons	250..339		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	19549	Seq. ID	OJ990426_12.9B18.C19
Gene No.	40832	Strand	-
Start	209	End	1108
Name	OJ990426_12.9B18.C19.o1.np	Method	AAT/NAP
Start	209	End	1108
GI	6678139	Score	94
Exons	209..271, 679..1108		
GI Descrip.	simple repeat sequence-containing transcript gi|730888|sp|Q06666|T2_MOUSE OCTAPEPTIDE-REPEAT PROTEIN T2 gi|296382|emb|CAA48048| (X67863) T2 [Mus musculus]		

Seq. No.	19550	Seq. ID	OJ990426_12.9B18.C22
Gene No.	40833	Strand	-
Start	1	End	490
Name	OJ990426_12.9B18.C22.o1.np	Method	AAT/NAP
Start	1	End	490
GI	4416302	Score	568
Exons	1..490		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	19550	Seq. ID	OJ990426_12.9B18.C22
Gene No.	40833	Strand	-
Start	1	End	490
Name	OJ990426_12.9B18.C22.o1.ts	Method	TBLASTX:Soybean
Start	64	End	334
GI	none	Score	86
Exons	64..321, 89..334		

Seq. No.	19550	Seq. ID	OJ990426_12.9B18.C22
Gene No.	40833	Strand	-
Start	1	End	490
Name	OJ990426_12.9B18.C22.o2.tm	Method	TBLASTX:Maize
Start	64	End	228

GI	none	Score	175
Exons	64..228, 65..226		
Seq. No.	19550	Seq. ID	OJ990426_12.9B18.C22
Gene No.	40833	Strand	-
Start	1	End	490
Name	OJ990426_12.9B18.C22.o1.gs	Method	GENSCAN
Start	109	End	327
GI	none	Score	.42
Exons	109..327		
Seq. No.	19550	Seq. ID	OJ990426_12.9B18.C22
Gene No.	40833	Strand	-
Start	1	End	490
Name	OJ990426_12.9B18.C22.o1.tm	Method	TBLASTX:Maize
Start	229	End	490
GI	none	Score	167
Exons	229..489, 232..483, 239..490		
Seq. No.	19551	Seq. ID	OJ990426_12.9B18.C24
Gene No.	40834	Strand	+
Start	768	End	887
Name	OJ990426_12.9B18.C24.o2.gp	Method	AAT/GAP
Start	768	End	887
GI	LIB3432-059-P1-K1-D8	Score	206
Exons	768..887		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	19552	Seq. ID	OJ990426_12.9B18.C28
Gene No.	40835	Strand	-
Start	83	End	1283
Name	OJ990426_12.9B18.C28.o1.gs	Method	GENSCAN
Start	83	End	1283
GI	none	Score	.67
Exons	83..142, 685..718, 885..1097, 1223..1283		
Seq. No.	19552	Seq. ID	OJ990426_12.9B18.C28
Gene No.	40836	Strand	-
Start	1579	End	2168
Name	OJ990426_12.9B18.C28.o2.gs	Method	GENSCAN
Start	1579	End	2168
GI	none	Score	.99
Exons	1579..1757, 1787..2168		
Seq. No.	19553	Seq. ID	OJ990426_12.9B18.C29
Gene No.	40837	Strand	-
Start	49	End	171
Name	OJ990426_12.9B18.C29.o1.gs	Method	GENSCAN
Start	49	End	171
GI	none	Score	.49
Exons	49..171		
Seq. No.	19554	Seq. ID	OJ990426_12.9B18.C31
Gene No.	40838	Strand	+
Start	84	End	562
Name	OJ990426_12.9B18.C31.o1.gs	Method	GENSCAN

Start	84	End	562
GI	none	Score	.66
Exons	84..168, 525..562		

Seq. No.	19555	Seq. ID	OJ990426_12.9B18.C32
Gene No.	40839	Strand	+
Start	1	End	1495
Name	OJ990426_12.9B18.C32.o1.np	Method	AAT/NAP
Start	1	End	1495
GI	6907087	Score	745
Exons	1..853, 1394..1495		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19555	Seq. ID	OJ990426_12.9B18.C32
Gene No.	40840	Strand	+
Start	2133	End	2806
Name	OJ990426_12.9B18.C32.o1.gp	Method	AAT/GAP
Start	1953	End	2335
GI	uC-osflcyp033a04b1	Score	668
Exons	1953..2335		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19555	Seq. ID	OJ990426_12.9B18.C32
Gene No.	40840	Strand	+
Start	2133	End	2806
Name	OJ990426_12.9B18.C32.o2.gs	Method	GENSCAN
Start	2133	End	2806
GI	none	Score	.77
Exons	2133..2208, 2778..2806		

Seq. No.	19555	Seq. ID	OJ990426_12.9B18.C32
Gene No.	40841	Strand	-
Start	1886	End	3735
Name	OJ990426_12.9B18.C32.o2.np	Method	AAT/NAP
Start	1886	End	3735
GI	4680186	Score	292
Exons	1886..2101, 3668..3735		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19555	Seq. ID	OJ990426_12.9B18.C32
Gene No.	40841	Strand	-
Start	1886	End	3735
Name	OJ990426_12.9B18.C32.o3.gs	Method	GENSCAN
Start	3211	End	3716
GI	none	Score	.62
Exons	3211..3283, 3697..3716		

Seq. No.	19556	Seq. ID	OJ990426_12.9B18.C34
Gene No.	40842	Strand	+
Start	179	End	368
Name	OJ990426_12.9B18.C34.o1.gs	Method	GENSCAN
Start	179	End	368
GI	none	Score	.56
Exons	179..240, 345..368		

Seq. No.	19556	Seq. ID	OJ990426_12.9B18.C34
Gene No.	40843	Strand	-
Start	1	End	275
Name	OJ990426_12.9B18.C34.o1.np	Method	AAT/NAP
Start	1	End	275
GI	3645898	Score	119
Exons	1..275		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	19557	Seq. ID	OJ990426_12.9B18.C36
Gene No.	40844	Strand	-
Start	1	End	737
Name	OJ990426_12.9B18.C36.o1.np	Method	AAT/NAP
Start	1	End	737
GI	6539553	Score	1086
Exons	1..737		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	19557	Seq. ID	OJ990426_12.9B18.C36
Gene No.	40844	Strand	-
Start	1	End	737
Name	OJ990426_12.9B18.C36.o1.tm	Method	TBLASTX:Maize
Start	61	End	304
GI	none	Score	70
Exons	61..303, 140..304		

Seq. No.	19557	Seq. ID	OJ990426_12.9B18.C36
Gene No.	40844	Strand	-
Start	1	End	737
Name	OJ990426_12.9B18.C36.o1.ts	Method	TBLASTX:Soybean
Start	61	End	309
GI	5509260	Score	197
Exons	61..309		
GI Descrip.	-		

Seq. No.	19557	Seq. ID	OJ990426_12.9B18.C36
Gene No.	40844	Strand	-
Start	1	End	737
Name	OJ990426_12.9B18.C36.o1.tc	Method	TBLASTX:Cress
Start	64	End	216
GI	none	Score	62
Exons	64..216, 137..214		

Seq. No.	19557	Seq. ID	OJ990426_12.9B18.C36
Gene No.	40844	Strand	-
Start	1	End	737
Name	OJ990426_12.9B18.C36.o1.gs	Method	GENSCAN
Start	87	End	603
GI	none	Score	.75
Exons	87..603		

Seq. No.	19557	Seq. ID	OJ990426_12.9B18.C36

Gene No.	40844	Strand	-
Start	1	End	737
Name	OJ990426_12.9B18.C36.o1.tw	Method	TBLASTX:Wheat
Start	229	End	702
GI	none	Score	200
Exons	229..468, 230..388, 246..476,	249..446,	508..696, 520..702

Seq. No.	19558	Seq. ID	OJ990426_12.9B18.C37
Gene No.	40845	Strand	+
Start	18	End	203
Name	OJ990426_12.9B18.C37.o1.gs	Method	GENSCAN
Start	18	End	203
GI	none	Score	.86
Exons	18..203		

Seq. No.	19559	Seq. ID	OJ990426_12.9B18.C39
Gene No.	40846	Strand	+
Start	1	End	395
Name	OJ990426_12.9B18.C39.o1.np	Method	AAT/NAP
Start	1	End	392
GI	4512231	Score	514
Exons	1..392		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	19559	Seq. ID	OJ990426_12.9B18.C39
Gene No.	40846	Strand	+
Start	1	End	395
Name	OJ990426_12.9B18.C39.o1.gs	Method	GENSCAN
Start	49	End	395
GI	none	Score	.94
Exons	49..395		

Seq. No.	19560	Seq. ID	OJ990426_12.9B18.C42
Gene No.	40847	Strand	+
Start	6	End	81
Name	OJ990426_12.9B18.C42.o1.gs	Method	GENSCAN
Start	6	End	81
GI	none	Score	.79
Exons	6..81		

Seq. No.	19561	Seq. ID	OJ990426_12.9B18.C43
Gene No.	40848	Strand	+
Start	1	End	151
Name	OJ990426_12.9B18.C43.o1.np	Method	AAT/NAP
Start	1	End	151
GI	3024190	Score	137
Exons	1..151		
GI Descrip.	NINE PROTEIN gi|2120251|pir||S66581 hypothetical protein 56 - phage 82 gi|1051114|emb|CAA63328| (X92588) orf56; related to nin60 (ninE) of bacteriophage lambda [Bacteriophage 82]		

Seq. No.	19561	Seq. ID	OJ990426_12.9B18.C43
Gene No.	40849	Strand	+
Start	118	End	698
Name	OJ990426_12.9B18.C43.o1.gs	Method	GENSCAN
Start	118	End	678
GI	none	Score	.99

Exons	118..678		
Seq. No.	19561	Seq. ID	OJ990426_12.9B18.C43
Gene No.	40849	Strand	+
Start	118	End	698
Name	OJ990426_12.9B18.C43.o2.np	Method	AAT/NAP
Start	151	End	698
GI	130792	Score	699
Exons	151..698		
GI Descrip.	SERINE/THREONINE PROTEIN PHOSPHATASE gi|76133|pir||Q1BP1L hypothetical protein C-221 (nin region) - phage lambda gi|215160 (J02459) Nin 221 (pept unknown;221) [Bacteriophage lambda]		
Seq. No.	19562	Seq. ID	OJ990426_12.9B18.C44
Gene No.	40850	Strand	+
Start	203	End	630
Name	OJ990426_12.9B18.C44.o1.np	Method	AAT/NAP
Start	203	End	630
GI	132278	Score	277
Exons	203..630		
GI Descrip.	ANTITERMINATION PROTEIN Q gi|73114|pir||ZQBPL regulatory protein Q - phage lambda gi|215161 (J02459) Q (late gene regulator;207) [Bacteriophage lambda]		
Seq. No.	19563	Seq. ID	OJ990426_12.9B18.C45
Gene No.	40851	Strand	+
Start	241	End	319
Name	OJ990426_12.9B18.C45.o1.gs	Method	GENSCAN
Start	241	End	319
GI	none	Score	.6
Exons	241..319		
Seq. No.	19564	Seq. ID	OJ990426_12.9B18.C48
Gene No.	40852	Strand	-
Start	1	End	553
Name	OJ990426_12.9B18.C48.o1.np	Method	AAT/NAP
Start	1	End	547
GI	6539553	Score	863
Exons	1..547		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	19564	Seq. ID	OJ990426_12.9B18.C48
Gene No.	40852	Strand	-
Start	1	End	553
Name	OJ990426_12.9B18.C48.o1.gs	Method	GENSCAN
Start	105	End	547
GI	none	Score	.68
Exons	105..547		
Seq. No.	19564	Seq. ID	OJ990426_12.9B18.C48
Gene No.	40852	Strand	-
Start	1	End	553
Name	OJ990426_12.9B18.C48.o1.tm	Method	TBLASTX:Maize
Start	105	End	418

GI	none	Score	297
Exons	105..410, 107..418		
Seq. No.	19564	Seq. ID	OJ990426_12.9B18.C48
Gene No.	40852	Strand	-
Start	1	End	553
Name	OJ990426_12.9B18.C48.o1.tw	Method	TBLASTX:Wheat
Start	166	End	553
GI	none	Score	258
Exons	166..429, 167..553, 168..542		
Seq. No.	19565	Seq. ID	OJ990426_12.9B18.C49
Gene No.	40853	Strand	+
Start	213	End	484
Name	OJ990426_12.9B18.C49.o1.gs	Method	GENSCAN
Start	213	End	484
GI	none	Score	.61
Exons	213..355, 361..484		
Seq. No.	19566	Seq. ID	OJ990426_12.9B18.C50
Gene No.	40854	Strand	+
Start	151	End	251
Name	OJ990426_12.9B18.C50.o1.gs	Method	GENSCAN
Start	151	End	251
GI	none	Score	.98
Exons	151..251		
Seq. No.	19567	Seq. ID	OJ990426_12.9B18.C52
Gene No.	40855	Strand	+
Start	1	End	224
Name	OJ990426_12.9B18.C52.o1.np	Method	AAT/NAP
Start	1	End	224
GI	5042447	Score	310
Exons	1..224		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	19567	Seq. ID	OJ990426_12.9B18.C52
Gene No.	40855	Strand	+
Start	1	End	224
Name	OJ990426_12.9B18.C52.o1.tw	Method	TBLASTX:Wheat
Start	5	End	199
GI	none	Score	170
Exons	5..199		
Seq. No.	19568	Seq. ID	OJ990426_12.9B18.C53
Gene No.	40856	Strand	-
Start	60	End	176
Name	OJ990426_12.9B18.C53.o1.gs	Method	GENSCAN
Start	60	End	176
GI	none	Score	.52
Exons	60..176		
Seq. No.	19569	Seq. ID	OJ990426_12.9B18.C54
Gene No.	40857	Strand	-
Start	1	End	223
Name	OJ990426_12.9B18.C54.o1.np	Method	AAT/NAP
Start	1	End	197

GI	5852179	Score	107
Exons	1..197		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	19569	Seq. ID	OJ990426_12.9B18.C54
Gene No.	40857	Strand	-
Start	1	End	223
Name	OJ990426_12.9B18.C54.o1.gs	Method	GENSCAN
Start	54	End	223
GI	none	Score	.45
Exons	54..223		

Seq. No.	19570	Seq. ID	OJ990426_12.9B18.C56
Gene No.	40858	Strand	-
Start	1	End	519
Name	OJ990426_12.9B18.C56.o1.np	Method	AAT/NAP
Start	1	End	519
GI	3928078	Score	251
Exons	1..519		
GI Descrip.	(AC005770) putative calcium-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	19570	Seq. ID	OJ990426_12.9B18.C56
Gene No.	40858	Strand	-
Start	1	End	519
Name	OJ990426_12.9B18.C56.o1.ts	Method	TBLASTX:Soybean
Start	1	End	183
GI	none	Score	82
Exons	1..105, 1..183		

Seq. No.	19570	Seq. ID	OJ990426_12.9B18.C56
Gene No.	40858	Strand	-
Start	1	End	519
Name	OJ990426_12.9B18.C56.o1.tc	Method	TBLASTX:Cress
Start	1	End	187
GI	none	Score	75
Exons	1..183, 2..79, 134..187		

Seq. No.	19571	Seq. ID	OJ990426_12.9B18.C61
Gene No.	40859	Strand	+
Start	1099	End	1795
Name	OJ990426_12.9B18.C61.o1.gs	Method	GENSCAN
Start	1099	End	1795
GI	none	Score	.65
Exons	1099..1104, 1724..1795		

Seq. No.	19572	Seq. ID	OJ990426_12.9B18.C62
Gene No.	40860	Strand	+
Start	3552	End	4049
Name	OJ990426_12.9B18.C62.o1.gp	Method	AAT/GAP
Start	3552	End	4049
GI	3073_1.R1084	Score	819
Exons	3552..4049		
GI Descrip.	'133936/sp|P12146|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3		

[Oryza sativa]'

Seq. No.	19572	Seq. ID	OJ990426_12.9B18.C62
Gene No.	40861	Strand	-
Start	3541	End	4023
Name	OJ990426_12.9B18.C62.o1.np	Method	AAT/NAP
Start	3541	End	3987
GI	132790	Score	625
Exons	3541..3987		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L22 gi|71290|pir||R5RZ22 ribosomal protein L22 - rice chloroplast gi|12026|emb|CAA33935| (X15901) ribosomal protein L22 [Oryza sativa] gi|226647|prf||1603356BX ribosomal protein L22 [Oryza sativa]		

Seq. No.	19572	Seq. ID	OJ990426_12.9B18.C62
Gene No.	40861	Strand	-
Start	3541	End	4023
Name	OJ990426_12.9B18.C62.o1.tm	Method	TBLASTX:Maize
Start	3545	End	4023
GI	none	Score	433
Exons	3545..3877, 3550..3879, 3553..3879, 3878..3913, 3908..4012, 3910..3948, 3937..4023		

Seq. No.	19572	Seq. ID	OJ990426_12.9B18.C62
Gene No.	40861	Strand	-
Start	3541	End	4023
Name	OJ990426_12.9B18.C62.o1.tw	Method	TBLASTX:Wheat
Start	3550	End	3906
GI	none	Score	429
Exons	3550..3879, 3553..3876, 3579..3881, 3838..3906		

Seq. No.	19572	Seq. ID	OJ990426_12.9B18.C62
Gene No.	40861	Strand	-
Start	3541	End	4023
Name	OJ990426_12.9B18.C62.o1.ts	Method	TBLASTX:Soybean
Start	3560	End	3864
GI	none	Score	114
Exons	3560..3778, 3560..3793, 3568..3861, 3574..3864		

Seq. No.	19572	Seq. ID	OJ990426_12.9B18.C62
Gene No.	40861	Strand	-
Start	3541	End	4023
Name	OJ990426_12.9B18.C62.o1.tc	Method	TBLASTX:Cress
Start	3562	End	3882
GI	none	Score	153
Exons	3562..3882, 3569..3778, 3574..3849		

Seq. No.	19573	Seq. ID	OJ990426_12.9B18.C63
Gene No.	40862	Strand	+
Start	186	End	566
Name	OJ990426_12.9B18.C63.o1.gs	Method	GENSCAN
Start	186	End	566
GI	none	Score	.4
Exons	186..379, 418..566		

Seq. No.	19574	Seq. ID	OJ990426_12.9B18.C64
Gene No.	40863	Strand	+

Start	153	End	1018
Name	OJ990426_12.9B18.C64.o1.gs	Method	GENSCAN
Start	153	End	1018
GI	none	Score	.63
Exons	153..256, 524..668, 878..1018		

Seq. No.	19574	Seq. ID	OJ990426_12.9B18.C64
Gene No.	40864	Strand	+
Start	4259	End	5111
Name	OJ990426_12.9B18.C64.o1.gp	Method	AAT/GAP
Start	4259	End	5111
GI	4107137	Score	1642
Exons	4259..5111		

Seq. No.	19574	Seq. ID	OJ990426_12.9B18.C64
Gene No.	40865	Strand	-
Start	2264	End	3791
Name	OJ990426_12.9B18.C64.o2.gs	Method	GENSCAN
Start	2264	End	3791
GI	none	Score	.64
Exons	2264..2341, 3789..3791		

Seq. No.	19575	Seq. ID	OJ990426_12.9B18.C65
Gene No.	40866	Strand	+
Start	1428	End	2026
Name	OJ990426_12.9B18.C65.o1.gs	Method	GENSCAN
Start	1428	End	2026
GI	none	Score	.84
Exons	1428..1592, 1630..2026		

Seq. No.	19576	Seq. ID	OJ990426_12.9B18.C66
Gene No.	40867	Strand	+
Start	1	End	8993
Name	OJ990426_12.9B18.C66.o1.np	Method	AAT/NAP
Start	1	End	5995
GI	4680204	Score	67
Exons	1..71, 2888..3139, 5977..5995		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	19576	Seq. ID	OJ990426_12.9B18.C66
Gene No.	40867	Strand	+
Start	1	End	8993
Name	OJ990426_12.9B18.C66.o1.gs	Method	GENSCAN
Start	530	End	7505
GI	none	Score	.56
Exons	530..562, 2257..2442, 2967..3017, 3240..3326, 3428..3582, 3710..3873, 5402..5403, 6693..6811, 7406..7505		

Seq. No.	19576	Seq. ID	OJ990426_12.9B18.C66
Gene No.	40867	Strand	+
Start	1	End	8993
Name	OJ990426_12.9B18.C66.o2.np	Method	AAT/NAP
Start	5767	End	8993
GI	5852093	Score	71
Exons	5767..5790, 7149..7254, 8972..8993		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19576	Seq. ID	OJ990426_12.9B18.C66
Gene No.	40868	Strand	+
Start	14935	End	15078
Name	OJ990426_12.9B18.C66.o1.gp	Method	AAT/GAP
Start	14935	End	15078
GI	21474_1.R1084	Score	239
Exons	14935..15078		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	19576	Seq. ID	OJ990426_12.9B18.C66
Gene No.	40869	Strand	-
Start	15426	End	19137
Name	OJ990426_12.9B18.C66.o3.np	Method	AAT/NAP
Start	15407	End	19137
GI	4680204	Score	1073
Exons	15407..15448, 15483..15578, 15929..16148, 16245..16418, 16528..17626, 17701..19137		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	19576	Seq. ID	OJ990426_12.9B18.C66
Gene No.	40869	Strand	-
Start	15426	End	19137
Name	OJ990426_12.9B18.C66.o3.gs	Method	GENSCAN
Start	15426	End	19122
GI	none	Score	.68
Exons	15426..15608, 15881..15953, 16038..16148, 16245..16418, 16528..17359, 17485..17626, 17701..19122		

Seq. No.	19576	Seq. ID	OJ990426_12.9B18.C66
Gene No.	40869	Strand	-
Start	15426	End	19137
Name	OJ990426_12.9B18.C66.o2.tw	Method	TBLASTX:Wheat
Start	16079	End	16601
GI	none	Score	70
Exons	16079..16150, 16250..16432, 16257..16382, 16521..16601		

Seq. No.	19576	Seq. ID	OJ990426_12.9B18.C66
Gene No.	40869	Strand	-
Start	15426	End	19137
Name	OJ990426_12.9B18.C66.o1.tw	Method	TBLASTX:Wheat
Start	18091	End	18494
GI	none	Score	38
Exons	18091..18186, 18091..18261, 18224..18391, 18256..18492, 18343..18492, 18354..18494, 18378..18494		

Seq. No.	19577	Seq. ID	OJ990426_12.9B18.C67
Gene No.	40870	Strand	-
Start	1	End	684
Name	OJ990426_12.9B18.C67.o1.np	Method	AAT/NAP
Start	1	End	684
GI	4680204	Score	170
Exons	1..279, 354..684		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	19577	Seq. ID	OJ990426_12.9B18.C67
Gene No.	40870	Strand	-

Start	1	End	684
Name	OJ990426_12.9B18.C67.o1.gs	Method	GENSCAN
Start	138	End	677
GI	none	Score	.77
Exons	138..279, 354..473, 519..677		

Seq. No.	19578	Seq. ID	OJ990426_12.9B18.C71
Gene No.	40871	Strand	-
Start	1	End	822
Name	OJ990426_12.9B18.C71.o1.np	Method	AAT/NAP
Start	1	End	822
GI	5042454	Score	165
Exons	1..69, 710..822		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19579	Seq. ID	OJ990426_12.9B18.C73
Gene No.	40872	Strand	+
Start	1	End	680
Name	OJ990426_12.9B18.C73.o1.np	Method	AAT/NAP
Start	1	End	680
GI	5042447	Score	667
Exons	1..680		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19579	Seq. ID	OJ990426_12.9B18.C73
Gene No.	40872	Strand	+
Start	1	End	680
Name	OJ990426_12.9B18.C73.o1.gs	Method	GENSCAN
Start	67	End	638
GI	none	Score	.92
Exons	67..638		

Seq. No.	19579	Seq. ID	OJ990426_12.9B18.C73
Gene No.	40872	Strand	+
Start	1	End	680
Name	OJ990426_12.9B18.C73.o1.tw	Method	TBLASTX:Wheat
Start	148	End	504
GI	none	Score	117
Exons	148..288, 207..275, 337..504, 375..497		

Seq. No.	19579	Seq. ID	OJ990426_12.9B18.C73
Gene No.	40872	Strand	+
Start	1	End	680
Name	OJ990426_12.9B18.C73.o1.tm	Method	TBLASTX:Maize
Start	466	End	680
GI	none	Score	207
Exons	466..678, 468..680		

Seq. No.	19580	Seq. ID	OJ990426_12.9B18.C74
Gene No.	40873	Strand	-
Start	34	End	188
Name	OJ990426_12.9B18.C74.o1.gs	Method	GENSCAN
Start	34	End	188
GI	none	Score	.76
Exons	34..188		

Seq. No.	19580	Seq. ID	OJ990426_12.9B18.C74

Gene No.	40874	Strand	-
Start	241	End	325
Name	OJ990426_12.9B18.C74.o1.gp	Method	AAT/GAP
Start	241	End	325
GI	LIB3477-003-P1-K1-E9	Score	144
Exons	241..325		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	19581	Seq. ID	OJ990426_12.9B18.C77
Gene No.	40875	Strand	+
Start	1	End	853
Name	OJ990426_12.9B18.C77.o1.np	Method	AAT/NAP
Start	1	End	147
GI	5852178	Score	112
Exons	1..147		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	19581	Seq. ID	OJ990426_12.9B18.C77
Gene No.	40875	Strand	+
Start	1	End	853
Name	OJ990426_12.9B18.C77.o2.np	Method	AAT/NAP
Start	1	End	853
GI	6063554	Score	189
Exons	1..33, 678..853		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19581	Seq. ID	OJ990426_12.9B18.C77
Gene No.	40875	Strand	+
Start	1	End	853
Name	OJ990426_12.9B18.C77.o1.gs	Method	GENSCAN
Start	53	End	150
GI	none	Score	.57
Exons	53..150		

Seq. No.	19581	Seq. ID	OJ990426_12.9B18.C77
Gene No.	40876	Strand	-
Start	3231	End	3805
Name	OJ990426_12.9B18.C77.o2.gs	Method	GENSCAN
Start	3231	End	3805
GI	none	Score	.85
Exons	3231..3349, 3611..3692, 3773..3805		

Seq. No.	19581	Seq. ID	OJ990426_12.9B18.C77
Gene No.	40877	Strand	-
Start	3772	End	4113
Name	OJ990426_12.9B18.C77.o3.np	Method	AAT/NAP
Start	3772	End	4113
GI	4680203	Score	176
Exons	3772..4113		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19582	Seq. ID	OJ990426_12.9B18.C78
Gene No.	40878	Strand	+

Start	58	End	1180
Name	OJ990426_12.9B18.C78.o1.gs	Method	GENSCAN
Start	58	End	1180
GI	none	Score	.53
Exons	58..187, 351..555, 719..897, 981..1180		

Seq. No.	19583	Seq. ID	OJ990426_12.9B18.C79
Gene No.	40879	Strand	+
Start	274	End	991
Name	OJ990426_12.9B18.C79.o1.gs	Method	GENSCAN
Start	274	End	991
GI	none	Score	.48
Exons	274..338, 528..801, 902..991		

Seq. No.	19584	Seq. ID	OJ990426_12.9B18.C80
Gene No.	40880	Strand	-
Start	26	End	201
Name	OJ990426_12.9B18.C80.o1.gs	Method	GENSCAN
Start	26	End	201
GI	none	Score	.93
Exons	26..201		

Seq. No.	19585	Seq. ID	OJ990426_12.9B18.C82
Gene No.	40881	Strand	-
Start	560	End	685
Name	OJ990426_12.9B18.C82.o1.gs	Method	GENSCAN
Start	560	End	685
GI	none	Score	.82
Exons	560..685		

Seq. No.	19586	Seq. ID	OJ990426_12.9B18.C83
Gene No.	40882	Strand	-
Start	200	End	324
Name	OJ990426_12.9B18.C83.o1.gs	Method	GENSCAN
Start	200	End	324
GI	none	Score	.81
Exons	200..324		

Seq. No.	19587	Seq. ID	OJ990426_12.9B18.C84
Gene No.	40883	Strand	+
Start	989	End	1749
Name	OJ990426_12.9B18.C84.o1.gs	Method	GENSCAN
Start	989	End	1749
GI	none	Score	.86
Exons	989..1093, 1609..1749		

Seq. No.	19588	Seq. ID	OJ990426_12.9B18.C86
Gene No.	40884	Strand	+
Start	108	End	520
Name	OJ990426_12.9B18.C86.o1.gs	Method	GENSCAN
Start	108	End	520
GI	none	Score	.45
Exons	108..170, 320..520		

Seq. No.	19588	Seq. ID	OJ990426_12.9B18.C86
Gene No.	40885	Strand	+
Start	748	End	984

Name	OJ990426_12.9B18.C86.o1.gp	Method	AAT/GAP
Start	748	End	984
GI	3106744	Score	445
Exons	748..984		

Seq. No.	19589	Seq. ID	OJ990426_12.9B18.C87
Gene No.	40886	Strand	-
Start	1	End	1587
Name	OJ990426_12.9B18.C87.o1.np	Method	AAT/NAP
Start	1	End	1587
GI	6907086	Score	1113
Exons	1..298, 522..752, 813..1587		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19589	Seq. ID	OJ990426_12.9B18.C87
Gene No.	40886	Strand	-
Start	1	End	1587
Name	OJ990426_12.9B18.C87.o1.gs	Method	GENSCAN
Start	838	End	1461
GI	none	Score	.98
Exons	838..1461		

Seq. No.	19590	Seq. ID	OJ990426_12.9B18.C88
Gene No.	40887	Strand	-
Start	1	End	980
Name	OJ990426_12.9B18.C88.o1.np	Method	AAT/NAP
Start	1	End	281
GI	6069659	Score	107
Exons	1..281		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	19590	Seq. ID	OJ990426_12.9B18.C88
Gene No.	40887	Strand	-
Start	1	End	980
Name	OJ990426_12.9B18.C88.o2.np	Method	AAT/NAP
Start	1	End	980
GI	6907088	Score	470
Exons	1..66, 430..667, 843..980		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19590	Seq. ID	OJ990426_12.9B18.C88
Gene No.	40888	Strand	
Start	6194	End	6436
Name	OJ990426_12.9B18.C88.o1.tw	Method	TBLASTX:Wheat
Start	6194	End	6436
GI	none	Score	177
Exons	6194..6436		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o5.tw	Method	TBLASTX:Wheat
Start	179	End	500
GI	none	Score	127
Exons	179..313, 309..500		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90

Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o1.np	Method	AAT/NAP
Start	3452	End	7158
GI	6539553	Score	6334
Exons	3452..7158		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o2.tw	Method	TBLASTX:Wheat
Start	3588	End	4064
GI	none	Score	337
Exons	3588..3974, 3589..3972, 3626..3973, 3667..3975, 3975..4058, 3992..4063, 3993..4064		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o4.ts	Method	TBLASTX:Soybean
Start	3716	End	4057
GI	none	Score	75
Exons	3716..3925, 3737..3925, 3944..4057, 3951..4031		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o2.tm	Method	TBLASTX:Maize
Start	3920	End	4259
GI	none	Score	205
Exons	3920..4258, 3921..4259		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o2.ts	Method	TBLASTX:Soybean
Start	4070	End	4415
GI	none	Score	124
Exons	4070..4414, 4215..4415		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o3.tw	Method	TBLASTX:Wheat
Start	4268	End	4814
GI	none	Score	76
Exons	4268..4474, 4469..4516, 4521..4814, 4524..4667		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o3.tm	Method	TBLASTX:Maize
Start	4349	End	4814

GI	none	Score	83
Exons	4349..4516, 4512..4679, 4521..4814		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o1.ts	Method	TBLASTX:Soybean
Start	4521	End	4949
GI	5509260	Score	346
Exons	4521..4949		
GI Descrip.	-		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o1.tc	Method	TBLASTX:Cress
Start	4596	End	4856
GI	none	Score	62
Exons	4596..4856, 4777..4854		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o1.tw	Method	TBLASTX:Wheat
Start	4869	End	5624
GI	none	Score	200
Exons	4869..5108, 4870..5028, 4886..5116, 4889..5086, 5137..5616, 5160..5624		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o2.tc	Method	TBLASTX:Cress
Start	5250	End	5657
GI	none	Score	120
Exons	5250..5444, 5457..5657		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o3.ts	Method	TBLASTX:Soybean
Start	5274	End	5672
GI	none	Score	38
Exons	5274..5447, 5401..5439, 5448..5672, 5493..5663		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o4.tm	Method	TBLASTX:Maize
Start	5460	End	5894
GI	none	Score	68
Exons	5460..5894, 5485..5631		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o4.tw	Method	TBLASTX:Wheat

Start	5625	End	5817
GI	none	Score	180
Exons	5625..5816, 5625..5816, 5746..5817		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o5.ts	Method	TBLASTX:Soybean
Start	5682	End	6068
GI	none	Score	88
Exons	5682..5930, 5913..6068		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o1.tm	Method	TBLASTX:Maize
Start	6095	End	6410
GI	none	Score	387
Exons	6095..6262, 6096..6410, 6097..6390		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o5.tm	Method	TBLASTX:Maize
Start	6916	End	7155
GI	none	Score	258
Exons	6916..7155, 6918..7154		

Seq. No.	19591	Seq. ID	OJ990426_12.9B18.C90
Gene No.	40889	Strand	-
Start	3452	End	7158
Name	OJ990426_12.9B18.C90.o6.tw	Method	TBLASTX:Wheat
Start	6978	End	7158
GI	none	Score	154
Exons	6978..7157, 6979..7158		

Seq. No.	19592	Seq. ID	OJ990426_12.9B18.C91
Gene No.	40890	Strand	+
Start	2732	End	4392
Name	OJ990426_12.9B18.C91.o1.gs	Method	GENSCAN
Start	2732	End	4392
GI	none	Score	.65
Exons	2732..2779, 3423..3450, 4010..4392		

Seq. No.	19593	Seq. ID	OJ990426_12.9B18.C92
Gene No.	40891	Strand	+
Start	2429	End	3031
Name	OJ990426_12.9B18.C92.o1.gs	Method	GENSCAN
Start	2429	End	3031
GI	none	Score	.67
Exons	2429..2445, 2506..2676, 2848..3031		

Seq. No.	19593	Seq. ID	OJ990426_12.9B18.C92
Gene No.	40892	Strand	-
Start	3146	End	5930
Name	OJ990426_12.9B18.C92.o1.np	Method	AAT/NAP
Start	3146	End	5930

GI	1399271	Score	892
Exons	3146..3168, 4764..4819, 4904..5056, 5154..5305, 5370..5930		
GI Descrip.	(U31833) calmodulin-domain protein kinase CDPK isoform 2 [Arabidopsis thaliana] gi|6119542|gb|AAF04186.1|AC011560_27 (AC011560) calmodulin-domain protein kinase CDPK isoform 2 [Arabidopsis thaliana]		

Seq. No.	19593	Seq. ID	OJ990426_12.9B18.C92
Gene No.	40892	Strand	-
Start	3146	End	5930
Name	OJ990426_12.9B18.C92.o2.gs	Method	GENSCAN
Start	4722	End	5764
GI	none	Score	.69
Exons	4722..4819, 4904..5056, 5154..5361, 5363..5764		

Seq. No.	19593	Seq. ID	OJ990426_12.9B18.C92
Gene No.	40892	Strand	-
Start	3146	End	5930
Name	OJ990426_12.9B18.C92.o1.tm	Method	TBLASTX:Maize
Start	4761	End	5785
GI	none	Score	50
Exons	4761..4838, 4905..5063, 4953..5060, 5155..5301, 5156..5302, 5342..5785, 5370..5768		

Seq. No.	19593	Seq. ID	OJ990426_12.9B18.C92
Gene No.	40892	Strand	-
Start	3146	End	5930
Name	OJ990426_12.9B18.C92.o1.ts	Method	TBLASTX:Soybean
Start	4902	End	5785
GI	none	Score	82
Exons	4902..5060, 4905..5063, 5155..5304, 5156..5299, 5369..5785, 5370..5780		

Seq. No.	19593	Seq. ID	OJ990426_12.9B18.C92
Gene No.	40892	Strand	-
Start	3146	End	5930
Name	OJ990426_12.9B18.C92.o1.tc	Method	TBLASTX:Cress
Start	4905	End	5786
GI	none	Score	106
Exons	4905..5063, 4906..5064, 5155..5295, 5156..5296, 5369..5785, 5370..5786		

Seq. No.	19593	Seq. ID	OJ990426_12.9B18.C92
Gene No.	40892	Strand	-
Start	3146	End	5930
Name	OJ990426_12.9B18.C92.o2.tw	Method	TBLASTX:Wheat
Start	4905	End	5410
GI	none	Score	71
Exons	4905..5063, 4909..5064, 5132..5299, 5155..5304, 5369..5410, 5370..5408		

Seq. No.	19593	Seq. ID	OJ990426_12.9B18.C92
Gene No.	40892	Strand	-
Start	3146	End	5930
Name	OJ990426_12.9B18.C92.o1.tw	Method	TBLASTX:Wheat
Start	5411	End	5692
GI	none	Score	259

Exons	5411..5692, 5433..5681		
Seq. No.	19594	Seq. ID	OJ990426_12.9B18.C93
Gene No.	40893	Strand	+
Start	958	End	1163
Name	OJ990426_12.9B18.C93.o1.gs	Method	GENSCAN
Start	958	End	1163
GI	none	Score	.59
Exons	958..1163		
Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40894	Strand	+
Start	4062	End	6435
Name	OJ990426_12.9B18.C94.o3.np	Method	AAT/NAP
Start	4062	End	6435
GI	5902445	Score	1897
Exons	4062..5359, 5387..5911, 5951..6435		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40895	Strand	-
Start	1	End	948
Name	OJ990426_12.9B18.C94.o1.np	Method	AAT/NAP
Start	1	End	948
GI	6742729	Score	536
Exons	1..50, 306..948		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40896	Strand	-
Start	1166	End	3417
Name	OJ990426_12.9B18.C94.o6.tw	Method	TBLASTX:Wheat
Start	299	End	567
GI	none	Score	124
Exons	299..433, 303..434, 306..446, 307..447, 481..567, 482..565, 484..567		
Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40896	Strand	-
Start	1166	End	3417
Name	OJ990426_12.9B18.C94.o5.tw	Method	TBLASTX:Wheat
Start	578	End	949
GI	none	Score	52
Exons	578..613, 582..638, 583..633, 638..712, 639..701, 640..711, 647..712, 723..761, 762..854, 763..855, 764..856, 765..854, 848..949, 866..949		
Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40896	Strand	-
Start	1166	End	3417
Name	OJ990426_12.9B18.C94.o2.np	Method	AAT/NAP
Start	1166	End	3252
GI	6721512	Score	128
Exons	1166..1203, 1246..1363, 1390..1580, 3228..3252		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94

Gene No.	40896	Strand	-
Start	1166	End	3417
Name	OJ990426_12.9B18.C94.o3.tw	Method	TBLASTX:Wheat
Start	3028	End	3417
GI	none	Score	57
Exons	3028..3069, 3033..3068, 3070..3183, 3070..3144, 3157..3417, 3189..3362		

Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40897	Strand	
Start	4007	End	4493
Name	OJ990426_12.9B18.C94.o1.tw	Method	TBLASTX:Wheat
Start	4007	End	4463
GI	none	Score	498
Exons	4007..4462, 4008..4463		

Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40897	Strand	
Start	4007	End	4493
Name	OJ990426_12.9B18.C94.o1.tm	Method	TBLASTX:Maize
Start	4137	End	4493
GI	none	Score	375
Exons	4137..4493, 4172..4483		

Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40898	Strand	
Start	4521	End	4981
Name	OJ990426_12.9B18.C94.o2.tm	Method	TBLASTX:Maize
Start	4521	End	4904
GI	none	Score	303
Exons	4521..4904, 4562..4900		

Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40898	Strand	
Start	4521	End	4981
Name	OJ990426_12.9B18.C94.o2.tw	Method	TBLASTX:Wheat
Start	4577	End	4981
GI	none	Score	393
Exons	4577..4960, 4578..4979, 4631..4981		

Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40898	Strand	
Start	4521	End	4981
Name	OJ990426_12.9B18.C94.o1.ts	Method	TBLASTX:Soybean
Start	4632	End	4979
GI	none	Score	245
Exons	4632..4979, 4658..4831		

Seq. No.	19595	Seq. ID	OJ990426_12.9B18.C94
Gene No.	40899	Strand	
Start	5142	End	5569
Name	OJ990426_12.9B18.C94.o4.tw	Method	TBLASTX:Wheat
Start	5142	End	5569
GI	none	Score	139
Exons	5142..5327, 5324..5356, 5396..5569, 5425..5565		

Seq. No.	19596	Seq. ID	OJ990426_12.9B18.C95

Gene No.	40900	Strand	+
Start	79	End	450
Name	OJ990426_12.9B18.C95.o1.gs	Method	GENSCAN
Start	79	End	450
GI	none	Score	.75
Exons	79..255, 289..450		

Seq. No.	19596	Seq. ID	OJ990426_12.9B18.C95
Gene No.	40901	Strand	+
Start	352	End	749
Name	OJ990426_12.9B18.C95.o1.tw	Method	TBLASTX:Wheat
Start	297	End	742
GI	none	Score	493
Exons	297..740, 298..741, 638..742		

Seq. No.	19596	Seq. ID	OJ990426_12.9B18.C95
Gene No.	40901	Strand	+
Start	352	End	749
Name	OJ990426_12.9B18.C95.o1.np	Method	AAT/NAP
Start	352	End	749
GI	5902445	Score	466
Exons	352..749		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	19596	Seq. ID	OJ990426_12.9B18.C95
Gene No.	40901	Strand	+
Start	352	End	749
Name	OJ990426_12.9B18.C95.o1.tm	Method	TBLASTX:Maize
Start	427	End	749
GI	none	Score	333
Exons	427..747, 462..749, 471..749		

Seq. No.	19597	Seq. ID	OJ990426_12.9B18.C96
Gene No.	40902	Strand	-
Start	366	End	1100
Name	OJ990426_12.9B18.C96.o1.gs	Method	GENSCAN
Start	366	End	1032
GI	none	Score	.95
Exons	366..1032		

Seq. No.	19597	Seq. ID	OJ990426_12.9B18.C96
Gene No.	40902	Strand	-
Start	366	End	1100
Name	OJ990426_12.9B18.C96.o1.np	Method	AAT/NAP
Start	369	End	1100
GI	4680179	Score	917
Exons	369..1100		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19597	Seq. ID	OJ990426_12.9B18.C96
Gene No.	40902	Strand	-
Start	366	End	1100
Name	OJ990426_12.9B18.C96.o2.tm	Method	TBLASTX:Maize
Start	393	End	605
GI	none	Score	205
Exons	393..605		

Seq. No.	19597	Seq. ID	OJ990426_12.9B18.C96
Gene No.	40902	Strand	-
Start	366	End	1100
Name	OJ990426_12.9B18.C96.o1.tw	Method	TBLASTX:Wheat
Start	414	End	836
GI	none	Score	126
Exons	414..836, 610..816		

Seq. No.	19597	Seq. ID	OJ990426_12.9B18.C96
Gene No.	40902	Strand	-
Start	366	End	1100
Name	OJ990426_12.9B18.C96.o1.tm	Method	TBLASTX:Maize
Start	606	End	875
GI	none	Score	170
Exons	606..875, 607..867		

Seq. No.	19598	Seq. ID	OJ990426_12.9B18.C97
Gene No.	40903	Strand	+
Start	1	End	1494
Name	OJ990426_12.9B18.C97.o1.np	Method	AAT/NAP
Start	1	End	1494
GI	5042454	Score	1674
Exons	1..27, 368..478, 534..1494		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	19598	Seq. ID	OJ990426_12.9B18.C97
Gene No.	40903	Strand	+
Start	1	End	1494
Name	OJ990426_12.9B18.C97.o1.tw	Method	TBLASTX:Wheat
Start	1206	End	1491
GI	none	Score	58
Exons	1206..1253, 1260..1358, 1277..1357, 1341..1394, 1438..1491, 1446..1490		

Seq. No.	19599	Seq. ID	OJ990426_12.9B18.C98
Gene No.	40904	Strand	+
Start	1	End	2641
Name	OJ990426_12.9B18.C98.o1.np	Method	AAT/NAP
Start	1	End	2641
GI	6498441	Score	2729
Exons	1..605, 936..1399, 1463..1836, 2020..2154, 2329..2641		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19599	Seq. ID	OJ990426_12.9B18.C98
Gene No.	40904	Strand	+
Start	1	End	2641
Name	OJ990426_12.9B18.C98.o3.tw	Method	TBLASTX:Wheat
Start	820	End	1306
GI	none	Score	407
Exons	820..993, 821..1306, 1015..1275		

Seq. No.	19599	Seq. ID	OJ990426_12.9B18.C98
Gene No.	40904	Strand	+
Start	1	End	2641
Name	OJ990426_12.9B18.C98.o1.tw	Method	TBLASTX:Wheat

Start	1470	End	1933
GI	none	Score	212
Exons	1470..1913, 1471..1932, 1472..1933		

Seq. No.	19599	Seq. ID	OJ990426_12.9B18.C98
Gene No.	40904	Strand	+
Start	1	End	2641
Name	OJ990426_12.9B18.C98.o2.ts	Method	TBLASTX:Soybean
Start	1511	End	1876
GI	none	Score	117
Exons	1511..1735, 1742..1876		

Seq. No.	19599	Seq. ID	OJ990426_12.9B18.C98
Gene No.	40904	Strand	+
Start	1	End	2641
Name	OJ990426_12.9B18.C98.o1.tm	Method	TBLASTX:Maize
Start	1601	End	1957
GI	none	Score	392
Exons	1601..1957, 1636..1947, 1652..1957		

Seq. No.	19599	Seq. ID	OJ990426_12.9B18.C98
Gene No.	40904	Strand	+
Start	1	End	2641
Name	OJ990426_12.9B18.C98.o2.tm	Method	TBLASTX:Maize
Start	1984	End	2368
GI	none	Score	359
Exons	1984..2070, 1985..2368, 2019..2204, 2128..2349		

Seq. No.	19599	Seq. ID	OJ990426_12.9B18.C98
Gene No.	40904	Strand	+
Start	1	End	2641
Name	OJ990426_12.9B18.C98.o2.tw	Method	TBLASTX:Wheat
Start	2041	End	2466
GI	none	Score	489
Exons	2041..2466, 2042..2461		

Seq. No.	19599	Seq. ID	OJ990426_12.9B18.C98
Gene No.	40904	Strand	+
Start	1	End	2641
Name	OJ990426_12.9B18.C98.o1.ts	Method	TBLASTX:Soybean
Start	2120	End	2491
GI	none	Score	271
Exons	2120..2491, 2137..2280		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40905	Strand	+
Start	1	End	2072
Name	OJ990426_12.9B18.C99.o1.np	Method	AAT/NAP
Start	1	End	2069
GI	6498441	Score	2899
Exons	1..125, 297..1694, 1788..2069		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40905	Strand	+

Start	1	End	2072
Name	OJ990426_12.9B18.C99.o1.gs	Method	GENSCAN
Start	42	End	2072
GI	none	Score	1
Exons	42..2072		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40906	Strand	+
Start	12899	End	13601
Name	OJ990426_12.9B18.C99.o4.np	Method	AAT/NAP
Start	12899	End	13601
GI	5295955	Score	429
Exons	12899..13601		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40907	Strand	-
Start	2714	End	5929
Name	OJ990426_12.9B18.C99.o2.gs	Method	GENSCAN
Start	2714	End	5929
GI	none	Score	.7
Exons	2714..4574, 4668..5066, 5280..5929		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40907	Strand	-
Start	2714	End	5929
Name	OJ990426_12.9B18.C99.o2.np	Method	AAT/NAP
Start	2717	End	5929
GI	6907089	Score	4062
Exons	2717..4574, 4668..5929		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o7.tw	Method	TBLASTX:Wheat
Start	60	End	431
GI	none	Score	181
Exons	60..221, 62..235, 282..431, 291..428, 293..430		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o3.ts	Method	TBLASTX:Soybean
Start	120	End	686
GI	5666795	Score	68
Exons	120..218, 294..431, 486..686		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o10.tw	Method	TBLASTX:Wheat
Start	434	End	746
GI	none	Score	190
Exons	434..745, 486..746		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o3.tm	Method	TBLASTX:Maize
Start	939	End	1262
GI	none	Score	362
Exons	939..1262, 968..1249		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o9.tw	Method	TBLASTX:Wheat
Start	942	End	1331
GI	none	Score	135
Exons	942..1091, 965..1090, 1209..1331, 1212..1331		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o2.tw	Method	TBLASTX:Wheat
Start	1092	End	8527
GI	none	Score	54
Exons	1092..1208, 8048..8527, 8049..8432, 8054..8509		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o4.tw	Method	TBLASTX:Wheat
Start	1353	End	8042
GI	none	Score	108
Exons	1353..1532, 7654..7953, 7655..8041, 7656..8042		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o2.tm	Method	TBLASTX:Maize
Start	1362	End	8083
GI	none	Score	125
Exons	1362..1532, 7763..7858, 7766..8083, 7767..8066, 7925..8068		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o11.tw	Method	TBLASTX:Wheat
Start	1538	End	2060
GI	none	Score	181
Exons	1538..1741, 1539..1748, 1598..1768, 1934..2056, 1935..2060		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o10.tm	Method	TBLASTX:Maize
Start	1929	End	2072
GI	none	Score	184
Exons	1929..2072, 1934..2068		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o3.np	Method	AAT/NAP
Start	6036	End	11610
GI	4680179	Score	5651
Exons	6036..6059, 7623..11610		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o3.gs	Method	GENSCAN
Start	6476	End	13434
GI	none	Score	.45
Exons	6476..6608, 7623..11607, 12519..12677, 12738..12798, 12935..13048, 13204..13434		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o9.tm	Method	TBLASTX:Maize
Start	7625	End	7760
GI	none	Score	124
Exons	7625..7759, 7632..7760		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o2.ts	Method	TBLASTX:Soybean
Start	8000	End	8260
GI	none	Score	54
Exons	8000..8068, 8000..8260, 8154..8255		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o1.tc	Method	TBLASTX:Cress
Start	8024	End	8350
GI	none	Score	90
Exons	8024..8167, 8168..8350		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o6.tm	Method	TBLASTX:Maize
Start	8084	End	8431
GI	none	Score	88
Exons	8084..8398, 8172..8363, 8234..8431		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o1.tw	Method	TBLASTX:Wheat
Start	8531	End	9040
GI	none	Score	288
Exons	8531..9040, 8622..9008, 8741..9040		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o1.tm	Method	TBLASTX:Maize
Start	8615	End	8968
GI	none	Score	73
Exons	8615..8968, 8700..8765, 8741..8926, 8790..8966		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o4.ts	Method	TBLASTX:Soybean
Start	8789	End	9031
GI	none	Score	201
Exons	8789..9031		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o5.tm	Method	TBLASTX:Maize
Start	8969	End	9308
GI	none	Score	36
Exons	8969..9289, 8976..9005, 9051..9308		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o5.tw	Method	TBLASTX:Wheat
Start	9041	End	9332
GI	none	Score	195
Exons	9041..9301, 9042..9305, 9249..9332		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o1.ts	Method	TBLASTX:Soybean
Start	9056	End	9451
GI	none	Score	124
Exons	9056..9301, 9057..9299, 9274..9408, 9371..9415, 9419..9451, 9419..9451		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o4.tm	Method	TBLASTX:Maize
Start	9368	End	9809
GI	none	Score	103
Exons	9368..9805, 9371..9718, 9564..9809		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o3.tw	Method	TBLASTX:Wheat
Start	9392	End	9878
GI	none	Score	313
Exons	9392..9874, 9435..9878		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o5.ts	Method	TBLASTX:Soybean
Start	9524	End	9805
GI	none	Score	66
Exons	9524..9805, 9525..9722		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o8.tw	Method	TBLASTX:Wheat
Start	10049	End	10403
GI	none	Score	74
Exons	10049..10402, 10088..10219, 10263..10403		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o7.tm	Method	TBLASTX:Maize
Start	10136	End	10456
GI	none	Score	202
Exons	10136..10456		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o8.tm	Method	TBLASTX:Maize
Start	10802	End	11098
GI	none	Score	102
Exons	10802..11098, 10911..11081		

Seq. No.	19600	Seq. ID	OJ990426_12.9B18.C99
Gene No.	40908	Strand	-
Start	6036	End	13434
Name	OJ990426_12.9B18.C99.o6.tw	Method	TBLASTX:Wheat
Start	10979	End	11342
GI	none	Score	84
Exons	10979..11338, 10980..11213, 11238..11342		

Seq. No.	19601	Seq. ID	OJ990426_12.9B18.C100
Gene No.	40909	Strand	+
Start	686	End	982
Name	OJ990426_12.9B18.C100.o1.gs	Method	GENSCAN
Start	686	End	982
GI	none	Score	.69
Exons	686..825, 975..982		

Seq. No.	19601	Seq. ID	OJ990426_12.9B18.C100
Gene No.	40910	Strand	-
Start	1779	End	2349
Name	OJ990426_12.9B18.C100.o2.gs	Method	GENSCAN
Start	1779	End	2349
GI	none	Score	.75
Exons	1779..1958, 2266..2349		

Seq. No.	19602	Seq. ID	OJ990426_12.9B18.C103
Gene No.	40911	Strand	+
Start	1	End	246
Name	OJ990426_12.9B18.C103.o1.gp	Method	AAT/GAP
Start	1	End	246
GI	4107137	Score	425
Exons	1..246		

Seq. No.	19603	Seq. ID	OJ990426_12.9B18.C105
Gene No.	40912	Strand	+
Start	1	End	114
Name	OJ990426_12.9B18.C105.o1.np	Method	AAT/NAP
Start	1	End	114
GI	5042448	Score	128
Exons	1..114		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	19603	Seq. ID	OJ990426_12.9B18.C105
Gene No.	40913	Strand	+
Start	372	End	459
Name	OJ990426_12.9B18.C105.o2.np	Method	AAT/NAP
Start	372	End	459
GI	4680179	Score	112
Exons	372..459		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19603	Seq. ID	OJ990426_12.9B18.C105
Gene No.	40914	Strand	+
Start	372	End	438
Name	OJ990426_12.9B18.C105.o1.gs	Method	GENSCAN
Start	372	End	438
GI	none	Score	.67
Exons	372..438		

Seq. No.	19604	Seq. ID	OJ990426_12.9B18.C106
Gene No.	40915	Strand	-
Start	1	End	711
Name	OJ990426_12.9B18.C106.o1.gp	Method	AAT/GAP
Start	1	End	711
GI	342_1.R1084	Score	1048
Exons	1..498, 608..711		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19605	Seq. ID	OJ990426_12.9B18.C107
Gene No.	40916	Strand	-
Start	239	End	412
Name	OJ990426_12.9B18.C107.o1.gs	Method	GENSCAN
Start	239	End	412
GI	none	Score	.83
Exons	239..412		

Seq. No.	19606	Seq. ID	OJ990426_12.9B18.C108
Gene No.	40917	Strand	+
Start	713	End	859
Name	OJ990426_12.9B18.C108.o1.gs	Method	GENSCAN

Start	713	End	859
GI	none	Score	.84
Exons	713..859		

Seq. No.	19607	Seq. ID	OJ990426_12.9B18.C109
Gene No.	40918	Strand	-
Start	1	End	857
Name	OJ990426_12.9B18.C109.o1.np	Method	AAT/NAP
Start	1	End	857
GI	225958	Score	89
Exons	1..64, 721..857		
GI Descrip.	leaf specific thionin [Hordeum vulgare var. distichum]		

Seq. No.	19607	Seq. ID	OJ990426_12.9B18.C109
Gene No.	40918	Strand	-
Start	1	End	857
Name	OJ990426_12.9B18.C109.o1.gs	Method	GENSCAN
Start	32	End	848
GI	none	Score	.55
Exons	32..159, 842..848		

Seq. No.	19608	Seq. ID	OJ990426_12.9B18.C112
Gene No.	40919	Strand	-
Start	309	End	581
Name	OJ990426_12.9B18.C112.o1.gs	Method	GENSCAN
Start	309	End	581
GI	none	Score	.47
Exons	309..336, 391..581		

Seq. No.	19609	Seq. ID	OJ990426_12.9B18.C113
Gene No.	40920	Strand	-
Start	1	End	747
Name	OJ990426_12.9B18.C113.o1.np	Method	AAT/NAP
Start	1	End	747
GI	4185311	Score	929
Exons	1..747		
GI Descrip.	(AF090446) polyprotein [Zea mays]		

Seq. No.	19609	Seq. ID	OJ990426_12.9B18.C113
Gene No.	40920	Strand	-
Start	1	End	747
Name	OJ990426_12.9B18.C113.o1.tw	Method	TBLASTX:Wheat
Start	1	End	564
GI	none	Score	61
Exons	1..150, 7..165, 151..276, 208..267, 270..302, 278..304, 316..564, 332..562		

Seq. No.	19609	Seq. ID	OJ990426_12.9B18.C113
Gene No.	40920	Strand	-
Start	1	End	747
Name	OJ990426_12.9B18.C113.o2.tm	Method	TBLASTX:Maize
Start	1	End	240
GI	none	Score	147
Exons	1..150, 2..151, 151..240		

Seq. No.	19609	Seq. ID	OJ990426_12.9B18.C113
Gene No.	40920	Strand	-

Start	1	End	747
Name	OJ990426_12.9B18.C113.o1.tm	Method	TBLASTX:Maize
Start	241	End	720
GI	none	Score	287
Exons	241..606, 245..598, 247..606,	604..669,	658..720

Seq. No.	19610	Seq. ID	OJ990426_12.9B18.C116
Gene No.	40921	Strand	-
Start	657	End	1476
Name	OJ990426_12.9B18.C116.o1.np	Method	AAT/NAP
Start	657	End	1476
GI	4680183	Score	213
Exons	657..746, 1355..1476		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19611	Seq. ID	OJ990426_12.9B18.C117
Gene No.	40922	Strand	-
Start	1	End	807
Name	OJ990426_12.9B18.C117.o1.np	Method	AAT/NAP
Start	1	End	807
GI	5852093	Score	71
Exons	1..29, 607..807		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	19611	Seq. ID	OJ990426_12.9B18.C117
Gene No.	40922	Strand	-
Start	1	End	807
Name	OJ990426_12.9B18.C117.o1.gs	Method	GENSCAN
Start	381	End	439
GI	none	Score	.54
Exons	381..439		

Seq. No.	19612	Seq. ID	OJ990426_12.9B18.C122
Gene No.	40923	Strand	-
Start	358	End	403
Name	OJ990426_12.9B18.C122.o1.gs	Method	GENSCAN
Start	358	End	403
GI	none	Score	.46
Exons	358..403		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o1.np	Method	AAT/NAP
Start	1	End	1186
GI	4680179	Score	1553
Exons	1..1186		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o1.ts	Method	TBLASTX:Soybean
Start	1	End	291
GI	none	Score	189
Exons	1..255, 2..253, 259..291, 259..291		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o3.tw	Method	TBLASTX:Wheat
Start	1	End	183
GI	none	Score	170
Exons	1..153, 2..181, 7..183, 90..182		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o3.tm	Method	TBLASTX:Maize
Start	16	End	169
GI	none	Score	124
Exons	16..156, 17..169		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o1.tm	Method	TBLASTX:Maize
Start	202	End	649
GI	none	Score	61
Exons	202..645, 407..649		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o1.tw	Method	TBLASTX:Wheat
Start	232	End	715
GI	none	Score	203
Exons	232..714, 235..678, 275..715		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o2.ts	Method	TBLASTX:Soybean
Start	364	End	678
GI	none	Score	192
Exons	364..678		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o2.tm	Method	TBLASTX:Maize
Start	650	End	843
GI	none	Score	155
Exons	650..805, 652..843		

Seq. No.	19613	Seq. ID	OJ990426_12.9B18.C124
Gene No.	40924	Strand	-
Start	1	End	1186
Name	OJ990426_12.9B18.C124.o2.tw	Method	TBLASTX:Wheat
Start	847	End	1185
GI	none	Score	235
Exons	847..1185		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125

Gene No.	40925	Strand	+
Start	5776	End	9840
Name	OJ990426_12.9B18.C125.o4.np	Method	AAT/NAP
Start	5776	End	9840
GI	4680203	Score	439
Exons	5776..5807, 9331..9840		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40925	Strand	+
Start	5776	End	9840
Name	OJ990426_12.9B18.C125.o1.gp	Method	AAT/GAP
Start	9331	End	9840
GI	342_1.R1084	Score	876
Exons	9331..9840		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40926	Strand	-
Start	272	End	4740
Name	OJ990426_12.9B18.C125.o1.gs	Method	GENSCAN
Start	272	End	4694
GI	none	Score	.86
Exons	272..3276, 3599..4694		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40926	Strand	-
Start	272	End	4740
Name	OJ990426_12.9B18.C125.o1.np	Method	AAT/NAP
Start	275	End	4740
GI	4680179	Score	5662
Exons	275..4740		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o8.tw	Method	TBLASTX:Wheat
Start	372	End	653
GI	none	Score	143
Exons	372..653, 374..652		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o1.tm	Method	TBLASTX:Maize
Start	515	End	1100
GI	none	Score	92
Exons	515..940, 516..713, 777..941, 936..1085, 938..1099, 945..1100		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o1.tw	Method	TBLASTX:Wheat
Start	653	End	1279
GI	none	Score	46

Exons	653..1279, 654..713, 774..1220		
Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o3.tm	Method	TBLASTX:Maize
Start	1148	End	1440
GI	none	Score	300
Exons	1148..1438, 1152..1439, 1153..1440		
Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o2.ts	Method	TBLASTX:Soybean
Start	1238	End	1498
GI	none	Score	187
Exons	1238..1498, 1239..1487		
Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o1.tc	Method	TBLASTX:Cress
Start	1262	End	1588
GI	none	Score	87
Exons	1262..1405, 1263..1403, 1406..1588		
Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o2.tw	Method	TBLASTX:Wheat
Start	1286	End	1825
GI	none	Score	206
Exons	1286..1669, 1286..1825, 1290..1784		
Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o2.tm	Method	TBLASTX:Maize
Start	1853	End	2206
GI	none	Score	212
Exons	1853..2206, 1860..2201		
Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o3.tw	Method	TBLASTX:Wheat
Start	1853	End	2278
GI	none	Score	324
Exons	1853..2278, 1860..2276		
Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o3.ts	Method	TBLASTX:Soybean
Start	2024	End	2269
GI	none	Score	204
Exons	2024..2269		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o5.tm	Method	TBLASTX:Maize
Start	2213	End	2545
GI	none	Score	144
Exons	2213..2545, 2214..2492		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o5.tw	Method	TBLASTX:Wheat
Start	2279	End	2542
GI	none	Score	250
Exons	2279..2542, 2280..2540		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o1.ts	Method	TBLASTX:Soybean
Start	2294	End	2689
GI	none	Score	189
Exons	2294..2545, 2304..2537, 2600..2653, 2610..2651, 2657..2689, 2657..2689		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o4.tm	Method	TBLASTX:Maize
Start	2600	End	3047
GI	none	Score	111
Exons	2600..3043, 2610..3047		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o4.tw	Method	TBLASTX:Wheat
Start	2630	End	3113
GI	none	Score	229
Exons	2630..3112, 2633..3109, 2673..3113		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o4.ts	Method	TBLASTX:Soybean
Start	2762	End	3076
GI	none	Score	198
Exons	2762..3076		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o7.tm	Method	TBLASTX:Maize
Start	3048	End	3241
GI	none	Score	156
Exons	3048..3203, 3050..3241		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o9.tw	Method	TBLASTX:Wheat
Start	3282	End	3599
GI	none	Score	93
Exons	3282..3599, 3283..3423		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o7.tw	Method	TBLASTX:Wheat
Start	3933	End	4283
GI	none	Score	312
Exons	3933..4283		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o6.tm	Method	TBLASTX:Maize
Start	3978	End	4283
GI	none	Score	246
Exons	3978..4283		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o10.tw	Method	TBLASTX:Wheat
Start	4335	End	4533
GI	none	Score	136
Exons	4335..4532, 4336..4533		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o2.gs	Method	GENSCAN
Start	4963	End	9685
GI	none	Score	.7
Exons	4963..5754, 6727..6815, 8014..8330, 8411..8548, 8963..9009, 9421..9685		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o2.np	Method	AAT/NAP
Start	4966	End	5754
GI	4512231	Score	1264
Exons	4966..5754		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o3.np	Method	AAT/NAP
Start	6920	End	8574
GI	6063554	Score	144

Exons	6920..7091, 7195..7279, 8411..8574		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19614	Seq. ID	OJ990426_12.9B18.C125
Gene No.	40927	Strand	-
Start	4963	End	9702
Name	OJ990426_12.9B18.C125.o6.tw	Method	TBLASTX:Wheat
Start	9323	End	9702
GI	none	Score	72
Exons	9323..9445, 9324..9446, 9328..9477, 9330..9461, 9472..9516, 9476..9511, 9519..9614, 9523..9582, 9561..9701, 9562..9702		
Seq. No.	19615	Seq. ID	OJ990426_12.9B18.C126
Gene No.	40928	Strand	+
Start	1	End	1281
Name	OJ990426_12.9B18.C126.o1.np	Method	AAT/NAP
Start	1	End	551
GI	4680203	Score	449
Exons	1..551		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	19615	Seq. ID	OJ990426_12.9B18.C126
Gene No.	40928	Strand	+
Start	1	End	1281
Name	OJ990426_12.9B18.C126.o1.gp	Method	AAT/GAP
Start	64	End	1281
GI	342_1.R1084	Score	1657
Exons	64..644, 680..699, 782..879, 989..1281		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	19615	Seq. ID	OJ990426_12.9B18.C126
Gene No.	40928	Strand	+
Start	1	End	1281
Name	OJ990426_12.9B18.C126.o1.gs	Method	GENSCAN
Start	69	End	572
GI	none	Score	1
Exons	69..572		
Seq. No.	19615	Seq. ID	OJ990426_12.9B18.C126
Gene No.	40928	Strand	+
Start	1	End	1281
Name	OJ990426_12.9B18.C126.o1.tw	Method	TBLASTX:Wheat
Start	93	End	497
GI	none	Score	74
Exons	93..137, 97..132, 140..235, 144..203, 182..322, 183..323, 251..331, 336..416, 405..497, 431..496		
Seq. No.	19616	Seq. ID	OJ990426_12.9B18.C127
Gene No.	40929	Strand	+
Start	68	End	590
Name	OJ990426_12.9B18.C127.o1.gp	Method	AAT/GAP
Start	68	End	590
GI	342_1.R1084	Score	931
Exons	68..590		

GI Descrip. '4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'

Seq. No.	19616	Seq. ID	OJ990426_12.9B18.C127
Gene No.	40930	Strand	+
Start	860	End	1132
Name	OJ990426_12.9B18.C127.o1.gs	Method	GENSCAN
Start	860	End	1132
GI	none	Score	.49
Exons	860..958, 1040..1132		

Seq. No.	19617	Seq. ID	OJ990426_12.9B18.C128
Gene No.	40931	Strand	-
Start	556	End	617
Name	OJ990426_12.9B18.C128.o1.gs	Method	GENSCAN
Start	556	End	617
GI	none	Score	.91
Exons	556..617		

Seq. No.	19618	Seq. ID	OJ990426_12.9B18.C129
Gene No.	40932	Strand	-
Start	60	End	302
Name	OJ990426_12.9B18.C129.o1.gp	Method	AAT/GAP
Start	60	End	302
GI	4107137	Score	444
Exons	60..302		

Seq. No.	19619	Seq. ID	OJ990426_12.9B18.C130
Gene No.	40933	Strand	-
Start	355	End	360
Name	OJ990426_12.9B18.C130.o1.gs	Method	GENSCAN
Start	355	End	360
GI	none	Score	.72
Exons	355..360		

Seq. No.	19620	Seq. ID	OJ990426_12.9B18.C133
Gene No.	40934	Strand	+
Start	417	End	644
Name	OJ990426_12.9B18.C133.o1.gs	Method	GENSCAN
Start	417	End	644
GI	none	Score	.42
Exons	417..644		

Seq. No.	19621	Seq. ID	OJ990426_12.9B18.C134
Gene No.	40935	Strand	+
Start	1	End	702
Name	OJ990426_12.9B18.C134.o1.np	Method	AAT/NAP
Start	1	End	702
GI	4680179	Score	552
Exons	1..702		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	19621	Seq. ID	OJ990426_12.9B18.C134
Gene No.	40935	Strand	+
Start	1	End	702
Name	OJ990426_12.9B18.C134.o1.gs	Method	GENSCAN
Start	134	End	692

GI	none	Score	.99
Exons	134..692		
Seq. No.	19621	Seq. ID	OJ990426_12.9B18.C134
Gene No.	40935	Strand	+
Start	1	End	702
Name	OJ990426_12.9B18.C134.o1.tm	Method	TBLASTX:Maize
Start	174	End	479
GI	none	Score	246
Exons	174..479		
Seq. No.	19621	Seq. ID	OJ990426_12.9B18.C134
Gene No.	40935	Strand	+
Start	1	End	702
Name	OJ990426_12.9B18.C134.o1.tw	Method	TBLASTX:Wheat
Start	174	End	524
GI	none	Score	312
Exons	174..524, 322..390		
Seq. No.	19622	Seq. ID	OJ990426_12.9B18.C136
Gene No.	40936	Strand	+
Start	80	End	372
Name	OJ990426_12.9B18.C136.o1.gp	Method	AAT/GAP
Start	80	End	219
GI	2310235	Score	230
Exons	80..219		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	19622	Seq. ID	OJ990426_12.9B18.C136
Gene No.	40936	Strand	+
Start	80	End	372
Name	OJ990426_12.9B18.C136.o1.np	Method	AAT/NAP
Start	80	End	372
GI	5852182	Score	361
Exons	80..372		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	19623	Seq. ID	OJ990426_12.9B18.C137
Gene No.	40937	Strand	-
Start	219	End	224
Name	OJ990426_12.9B18.C137.o1.gs	Method	GENSCAN
Start	219	End	224
GI	none	Score	.62
Exons	219..224		
Seq. No.	19624	Seq. ID	OJ990426_12.9B18.C141
Gene No.	40938	Strand	+
Start	110	End	412
Name	OJ990426_12.9B18.C141.o1.gs	Method	GENSCAN
Start	110	End	412
GI	none	Score	.51
Exons	110..412		
Seq. No.	19625	Seq. ID	OJ990826_11.9B09.C1
Gene No.	40939	Strand	+
Start	9	End	2124

Name	OJ990826_11.9B09.C1.o1.gs	Method	GENSCAN
Start	9	End	2019
GI	none	Score	.53
Exons	9..79, 590..659, 1307..1687, 1697..2019		

Seq. No.	19625	Seq. ID	OJ990826_11.9B09.C1
Gene No.	40939	Strand	+
Start	9	End	2124
Name	OJ990826_11.9B09.C1.o1.np	Method	AAT/NAP
Start	1292	End	2124
GI	4680204	Score	357
Exons	1292..2124		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	19626	Seq. ID	OJ990826_11.9B09.C2
Gene No.	40940	Strand	+
Start	668	End	1468
Name	OJ990826_11.9B09.C2.o1.np	Method	AAT/NAP
Start	668	End	1465
GI	4512231	Score	1337
Exons	668..1465		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	19626	Seq. ID	OJ990826_11.9B09.C2
Gene No.	40940	Strand	+
Start	668	End	1468
Name	OJ990826_11.9B09.C2.o1.gs	Method	GENSCAN
Start	731	End	1468
GI	none	Score	.92
Exons	731..1468		

Seq. No.	19626	Seq. ID	OJ990826_11.9B09.C2
Gene No.	40941	Strand	+
Start	1410	End	2292
Name	OJ990826_11.9B09.C2.o2.np	Method	AAT/NAP
Start	1410	End	2292
GI	4680179	Score	518
Exons	1410..1455, 1734..2292		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19626	Seq. ID	OJ990826_11.9B09.C2
Gene No.	40941	Strand	+
Start	1410	End	2292
Name	OJ990826_11.9B09.C2.o1.tw	Method	TBLASTX:Wheat
Start	1905	End	2264
GI	none	Score	276
Exons	1905..2264, 1931..2008, 1944..2261, 2030..2263		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o1.np	Method	AAT/NAP
Start	1	End	1749
GI	4680179	Score	2318
Exons	1..1749		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o2.ts	Method	TBLASTX:Soybean
Start	10	End	184
GI	none	Score	208
Exons	10..174, 11..184		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o5.tw	Method	TBLASTX:Wheat
Start	10	End	166
GI	none	Score	197
Exons	10..165, 11..166, 68..166		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o2.tm	Method	TBLASTX:Maize
Start	95	End	520
GI	none	Score	435
Exons	95..487, 133..456, 479..520		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o1.gs	Method	GENSCAN
Start	152	End	1654
GI	none	Score	.43
Exons	152..1654		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o2.tw	Method	TBLASTX:Wheat
Start	169	End	571
GI	none	Score	554
Exons	169..567, 170..568, 197..571		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o3.ts	Method	TBLASTX:Soybean
Start	206	End	454
GI	none	Score	207
Exons	206..454		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o3.tw	Method	TBLASTX:Wheat
Start	572	End	889
GI	none	Score	446
Exons	572..889, 607..885, 608..889		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3

Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o1.tc	Method	TBLASTX:Cress
Start	587	End	913
GI	none	Score	90
Exons	587..769, 770..913, 772..912		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o1.ts	Method	TBLASTX:Soybean
Start	677	End	937
GI	none	Score	301
Exons	677..937, 688..936, 689..937		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o3.tm	Method	TBLASTX:Maize
Start	735	End	1027
GI	none	Score	86
Exons	735..836, 736..1023, 737..1027, 869..1024		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o1.tw	Method	TBLASTX:Wheat
Start	896	End	1522
GI	none	Score	715
Exons	896..1522, 952..1401, 1462..1521		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o1.tm	Method	TBLASTX:Maize
Start	1075	End	1660
GI	none	Score	229
Exons	1075..1230, 1076..1237, 1234..1395, 1235..1660, 1462..1659		

Seq. No.	19627	Seq. ID	OJ990826_11.9B09.C3
Gene No.	40942	Strand	+
Start	1	End	1749
Name	OJ990826_11.9B09.C3.o4.tw	Method	TBLASTX:Wheat
Start	1522	End	1723
GI	none	Score	210
Exons	1522..1722, 1523..1723		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40943	Strand	+
Start	1	End	506
Name	OJ990826_11.9B09.C4.o1.np	Method	AAT/NAP
Start	1	End	506
GI	4512231	Score	814
Exons	1..506		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4

Gene No.	40944	Strand	+
Start	1383	End	7513
Name	OJ990826_11.9B09.C4.o2.np	Method	AAT/NAP
Start	1383	End	3280
GI	6907087	Score	1033
Exons	1383..1766, 1947..2627, 3179..3280		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40944	Strand	+
Start	1383	End	7513
Name	OJ990826_11.9B09.C4.o4.np	Method	AAT/NAP
Start	1948	End	7513
GI	4680179	Score	3607
Exons	1948..1979, 5099..7513		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40944	Strand	+
Start	1383	End	7513
Name	OJ990826_11.9B09.C4.o1.gp	Method	AAT/GAP
Start	3741	End	4124
GI	uC-osflcyp033a04b1	Score	669
Exons	3741..4124		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40945	Strand	-
Start	3669	End	5935
Name	OJ990826_11.9B09.C4.o3.np	Method	AAT/NAP
Start	3669	End	5618
GI	4680186	Score	207
Exons	3669..3891, 5598..5618		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40945	Strand	-
Start	3669	End	5935
Name	OJ990826_11.9B09.C4.o1.ts	Method	TBLASTX:Soybean
Start	5098	End	5494
GI	none	Score	51
Exons	5098..5130, 5102..5131, 5135..5179, 5137..5178, 5143..5298, 5243..5494, 5251..5484		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40945	Strand	-
Start	3669	End	5935
Name	OJ990826_11.9B09.C4.o4.tm	Method	TBLASTX:Maize
Start	5243	End	5575
GI	none	Score	311
Exons	5243..5575, 5296..5574		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40945	Strand	-

Start	3669	End	5935
Name	OJ990826_11.9B09.C4.o4.tw	Method	TBLASTX:Wheat
Start	5246	End	5509
GI	none	Score	373
Exons	5246..5509, 5248..5508		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40945	Strand	-
Start	3669	End	5935
Name	OJ990826_11.9B09.C4.o3.tw	Method	TBLASTX:Wheat
Start	5510	End	5935
GI	none	Score	592
Exons	5510..5935, 5512..5928, 5585..5935		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40945	Strand	-
Start	3669	End	5935
Name	OJ990826_11.9B09.C4.o3.ts	Method	TBLASTX:Soybean
Start	5516	End	5764
GI	none	Score	208
Exons	5516..5764		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40945	Strand	-
Start	3669	End	5935
Name	OJ990826_11.9B09.C4.o2.tm	Method	TBLASTX:Maize
Start	5582	End	5935
GI	none	Score	458
Exons	5582..5935, 5587..5928		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40946	Strand	
Start	5963	End	7468
Name	OJ990826_11.9B09.C4.o2.tw	Method	TBLASTX:Wheat
Start	5963	End	6502
GI	none	Score	616
Exons	5963..6502, 6145..6498		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40946	Strand	
Start	5963	End	7468
Name	OJ990826_11.9B09.C4.o1.tc	Method	TBLASTX:Cress
Start	6200	End	6526
GI	none	Score	87
Exons	6200..6382, 6383..6526, 6385..6525		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40946	Strand	
Start	5963	End	7468
Name	OJ990826_11.9B09.C4.o2.ts	Method	TBLASTX:Soybean
Start	6290	End	6550
GI	none	Score	300
Exons	6290..6550, 6301..6549, 6338..6550		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40946	Strand	
Start	5963	End	7468

Name	OJ990826_11.9B09.C4.o3.tm	Method	TBLASTX:Maize
Start	6349	End	6640
GI	none	Score	405
Exons	6349..6636, 6350..6640, 6350..6637		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40946	Strand	
Start	5963	End	7468
Name	OJ990826_11.9B09.C4.o1.tw	Method	TBLASTX:Wheat
Start	6509	End	7135
GI	none	Score	715
Exons	6509..7135, 6565..7014, 7075..7134		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40946	Strand	
Start	5963	End	7468
Name	OJ990826_11.9B09.C4.o1.tm	Method	TBLASTX:Maize
Start	6688	End	7273
GI	none	Score	229
Exons	6688..6843, 6689..6850, 6691..6852, 6847..7011, 6848..7273, 7007..7252, 7075..7272		

Seq. No.	19628	Seq. ID	OJ990826_11.9B09.C4
Gene No.	40946	Strand	
Start	5963	End	7468
Name	OJ990826_11.9B09.C4.o5.tw	Method	TBLASTX:Wheat
Start	7135	End	7468
GI	none	Score	318
Exons	7135..7416, 7136..7468, 7286..7417		

Seq. No.	19629	Seq. ID	OJ990826_11.9B09.C5
Gene No.	40947	Strand	-
Start	1	End	648
Name	OJ990826_11.9B09.C5.o1.np	Method	AAT/NAP
Start	1	End	648
GI	5852179	Score	191
Exons	1..327, 402..648		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	19629	Seq. ID	OJ990826_11.9B09.C5
Gene No.	40947	Strand	-
Start	1	End	648
Name	OJ990826_11.9B09.C5.o1.gs	Method	GENSCAN
Start	86	End	574
GI	none	Score	.68
Exons	86..574		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o1.np	Method	AAT/NAP
Start	1	End	2812
GI	4544372	Score	516
Exons	1..933, 2720..2812		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o1.tm	Method	TBLASTX:Maize
Start	3	End	447
GI	none	Score	47
Exons	3..107, 28..114, 104..295, 124..348, 373..447		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o1.ts	Method	TBLASTX:Soybean
Start	139	End	348
GI	none	Score	61
Exons	139..348, 167..277		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o1.tw	Method	TBLASTX:Wheat
Start	313	End	705
GI	none	Score	109
Exons	313..351, 373..612, 381..611, 383..613, 592..654, 593..646, 649..705, 659..691		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o1.gs	Method	GENSCAN
Start	439	End	756
GI	none	Score	.46
Exons	439..756		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o2.tm	Method	TBLASTX:Maize
Start	448	End	651
GI	none	Score	117
Exons	448..612, 449..613, 592..651, 593..646		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o2.gs	Method	GENSCAN
Start	1082	End	2430
GI	none	Score	.47
Exons	1082..1913, 2396..2430		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o2.ts	Method	TBLASTX:Soybean
Start	1277	End	1615
GI	none	Score	191
Exons	1277..1615		

Seq. No.	19630	Seq. ID	OJ990826_11.9B09.C6
Gene No.	40948	Strand	-
Start	1	End	2812
Name	OJ990826_11.9B09.C6.o3.np	Method	AAT/NAP
Start	2589	End	2812
GI	6063554	Score	105
Exons	2589..2812		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19631	Seq. ID	OJ990826_11.9B09.C7
Gene No.	40949	Strand	+
Start	1	End	2502
Name	OJ990826_11.9B09.C7.o1.np	Method	AAT/NAP
Start	1	End	2502
GI	4680183	Score	185
Exons	1..46, 1738..1808, 2413..2502		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19631	Seq. ID	OJ990826_11.9B09.C7
Gene No.	40950	Strand	-
Start	3133	End	4135
Name	OJ990826_11.9B09.C7.o2.gs	Method	GENSCAN
Start	3133	End	4135
GI	none	Score	.69
Exons	3133..3350, 3355..3535, 3602..3718, 3762..3852, 3945..4135		

Seq. No.	19632	Seq. ID	OJ990826_11.9B09.C8
Gene No.	40951	Strand	+
Start	294	End	398
Name	OJ990826_11.9B09.C8.o1.gs	Method	GENSCAN
Start	294	End	398
GI	none	Score	.87
Exons	294..398		

Seq. No.	19632	Seq. ID	OJ990826_11.9B09.C8
Gene No.	40952	Strand	-
Start	690	End	2430
Name	OJ990826_11.9B09.C8.o1.np	Method	AAT/NAP
Start	690	End	1291
GI	5852178	Score	161
Exons	690..784, 1150..1291		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	19632	Seq. ID	OJ990826_11.9B09.C8
Gene No.	40952	Strand	-
Start	690	End	2430
Name	OJ990826_11.9B09.C8.o2.gs	Method	GENSCAN
Start	1040	End	2430
GI	none	Score	.66
Exons	1040..1366, 2341..2430		

Seq. No.	19633	Seq. ID	OJ990826_11.9B09.C9
Gene No.	40953	Strand	+
Start	1	End	800
Name	OJ990826_11.9B09.C9.o1.np	Method	AAT/NAP

Start	1	End	800
GI	6498458	Score	116
Exons	1..75, 518..800		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	19633	Seq. ID	OJ990826_11.9B09.C9
Gene No.	40954	Strand	+
Start	2194	End	2745
Name	OJ990826_11.9B09.C9.o1.gs	Method	GENSCAN
Start	2194	End	2745
GI	none	Score	.4
Exons	2194..2745		

Seq. No.	19633	Seq. ID	OJ990826_11.9B09.C9
Gene No.	40955	Strand	-
Start	991	End	5831
Name	OJ990826_11.9B09.C9.o2.np	Method	AAT/NAP
Start	991	End	4127
GI	6063554	Score	63
Exons	991..1009, 2250..2412, 4096..4127		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19633	Seq. ID	OJ990826_11.9B09.C9
Gene No.	40955	Strand	-
Start	991	End	5831
Name	OJ990826_11.9B09.C9.o2.gs	Method	GENSCAN
Start	3547	End	5831
GI	none	Score	.66
Exons	3547..4113, 5536..5675, 5732..5831		

Seq. No.	19634	Seq. ID	OJ990826_11.9B09.C10
Gene No.	40956	Strand	+
Start	2405	End	3655
Name	OJ990826_11.9B09.C10.o1.np	Method	AAT/NAP
Start	2405	End	3655
GI	6751696	Score	131
Exons	2405..2784, 3253..3366, 3544..3655		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	19634	Seq. ID	OJ990826_11.9B09.C10
Gene No.	40957	Strand	-
Start	203	End	348
Name	OJ990826_11.9B09.C10.o1.gp	Method	AAT/GAP
Start	203	End	348
GI	20088_1.R1084	Score	195
Exons	203..348		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 3.0e-72 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	19634	Seq. ID	OJ990826_11.9B09.C10
Gene No.	40958	Strand	-
Start	1437	End	3553
Name	OJ990826_11.9B09.C10.o1.gs	Method	GENSCAN
Start	1437	End	3553

GI	none	Score	.56
Exons	1437..1486, 2329..2459, 3246..3553		

Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40959	Strand	+
Start	4812	End	6266
Name	OJ990826_11.9B09.C11.o1.np	Method	AAT/NAP
Start	4812	End	6266
GI	2944437	Score	65
Exons	4812..5122, 6202..6266		
GI Descrip.	(AF051153) globulin 1 precursor [Oryza sativa]		

Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40960	Strand	+
Start	17228	End	22002
Name	OJ990826_11.9B09.C11.o2.np	Method	AAT/NAP
Start	17228	End	22002
GI	4544372	Score	626
Exons	17228..17253, 19130..19278, 20695..21594, 21655..22002		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40961	Strand	-
Start	703	End	1005
Name	OJ990826_11.9B09.C11.o1.gs	Method	GENSCAN
Start	703	End	1005
GI	none	Score	.93
Exons	703..1005		

Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40962	Strand	-
Start	1281	End	1848
Name	OJ990826_11.9B09.C11.o1.gp	Method	AAT/GAP
Start	1281	End	1848
GI	4879016	Score	855
Exons	1281..1848		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40963	Strand	-
Start	2363	End	12301
Name	OJ990826_11.9B09.C11.o2.gs	Method	GENSCAN
Start	2363	End	12301
GI	none	Score	.45
Exons	2363..2510, 3759..3819, 4489..4600, 4990..5238, 5267..5399, 5405..5635, 6409..6463, 6550..6719, 6916..7009, 7642..7828, 7887..8180, 10003..10106, 10596..10694, 12142..12301		

Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40964	Strand	
Start	18426	End	18788
Name	OJ990826_11.9B09.C11.o3.ts	Method	TBLASTX:Soybean
Start	18426	End	18788
GI	none	Score	189

Exons	18426..18788		
Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40965	Strand	
Start	20697	End	21737
Name	OJ990826_11.9B09.C11.o2.ts	Method	TBLASTX:Soybean
Start	20697	End	21053
GI	none	Score	135
Exons	20697..20903, 20919..21053		
Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40965	Strand	
Start	20697	End	21737
Name	OJ990826_11.9B09.C11.o1.tw	Method	TBLASTX:Wheat
Start	20847	End	21254
GI	none	Score	583
Exons	20847..21254, 20864..21046		
Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40965	Strand	
Start	20697	End	21737
Name	OJ990826_11.9B09.C11.o2.tm	Method	TBLASTX:Maize
Start	20907	End	21122
GI	none	Score	299
Exons	20907..21122, 20909..21118		
Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40965	Strand	
Start	20697	End	21737
Name	OJ990826_11.9B09.C11.o1.tm	Method	TBLASTX:Maize
Start	21123	End	21582
GI	none	Score	189
Exons	21123..21272, 21125..21190, 21270..21374, 21270..21581, 21271..21582		
Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40965	Strand	
Start	20697	End	21737
Name	OJ990826_11.9B09.C11.o1.ts	Method	TBLASTX:Soybean
Start	21271	End	21737
GI	none	Score	204
Exons	21271..21549, 21303..21560, 21550..21735, 21591..21737		
Seq. No.	19635	Seq. ID	OJ990826_11.9B09.C11
Gene No.	40965	Strand	
Start	20697	End	21737
Name	OJ990826_11.9B09.C11.o2.tw	Method	TBLASTX:Wheat
Start	21271	End	21639
GI	none	Score	190
Exons	21271..21573, 21325..21414, 21550..21639		
Seq. No.	19636	Seq. ID	OJ990826_11.9B09.C12
Gene No.	40966	Strand	+
Start	1319	End	2675
Name	OJ990826_11.9B09.C12.o1.np	Method	AAT/NAP
Start	1319	End	2675
GI	5852180	Score	328

Exons	1319..1372, 2365..2476, 2528..2675		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	19636	Seq. ID	OJ990826_11.9B09.C12
Gene No.	40966	Strand	+
Start	1319	End	2675
Name	OJ990826_11.9B09.C12.o1.gs	Method	GENSCAN
Start	1560	End	2167
GI	none	Score	.41
Exons	1560..1742, 2045..2167		
Seq. No.	19636	Seq. ID	OJ990826_11.9B09.C12
Gene No.	40967	Strand	-
Start	1215	End	1600
Name	OJ990826_11.9B09.C12.o1.gp	Method	AAT/GAP
Start	1215	End	1600
GI	uC-osflcyp033a04b1	Score	641
Exons	1215..1600		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	19636	Seq. ID	OJ990826_11.9B09.C12
Gene No.	40968	Strand	-
Start	2348	End	2597
Name	OJ990826_11.9B09.C12.o2.gs	Method	GENSCAN
Start	2348	End	2597
GI	none	Score	.55
Exons	2348..2519, 2521..2597		
Seq. No.	19637	Seq. ID	OJ990826_11.9B09.C13
Gene No.	40969	Strand	-
Start	1	End	4062
Name	OJ990826_11.9B09.C13.o1.np	Method	AAT/NAP
Start	1	End	2271
GI	5922636	Score	287
Exons	1..17, 1562..1686, 1949..2271		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19637	Seq. ID	OJ990826_11.9B09.C13
Gene No.	40969	Strand	-
Start	1	End	4062
Name	OJ990826_11.9B09.C13.o1.gs	Method	GENSCAN
Start	1574	End	4062
GI	none	Score	.73
Exons	1574..1820, 2000..2195, 2278..2692, 2753..2906, 2999..3226, 3863..4062		
Seq. No.	19638	Seq. ID	OJ990826_11.9B09.C15
Gene No.	40970	Strand	+
Start	1	End	1867
Name	OJ990826_11.9B09.C15.o1.np	Method	AAT/NAP
Start	1	End	1549
GI	6742729	Score	2400

Exons	1..1549		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	19638	Seq. ID	OJ990826_11.9B09.C15
Gene No.	40970	Strand	+
Start	1	End	1867
Name	OJ990826_11.9B09.C15.o3.tw	Method	TBLASTX:Wheat
Start	5	End	166
GI	none	Score	201
Exons	5..166, 6..155		
Seq. No.	19638	Seq. ID	OJ990826_11.9B09.C15
Gene No.	40970	Strand	+
Start	1	End	1867
Name	OJ990826_11.9B09.C15.o1.ts	Method	TBLASTX:Soybean
Start	30	End	272
GI	none	Score	203
Exons	30..272, 116..214		
Seq. No.	19638	Seq. ID	OJ990826_11.9B09.C15
Gene No.	40970	Strand	+
Start	1	End	1867
Name	OJ990826_11.9B09.C15.o1.gs	Method	GENSCAN
Start	195	End	1829
GI	none	Score	.45
Exons	195..1829		
Seq. No.	19638	Seq. ID	OJ990826_11.9B09.C15
Gene No.	40970	Strand	+
Start	1	End	1867
Name	OJ990826_11.9B09.C15.o2.tw	Method	TBLASTX:Wheat
Start	305	End	710
GI	none	Score	87
Exons	305..355, 306..368, 354..596, 374..556, 385..597, 624..704, 626..709, 629..709, 630..710		
Seq. No.	19638	Seq. ID	OJ990826_11.9B09.C15
Gene No.	40970	Strand	+
Start	1	End	1867
Name	OJ990826_11.9B09.C15.o1.tm	Method	TBLASTX:Maize
Start	630	End	1108
GI	none	Score	288
Exons	630..1106, 768..845, 893..1108		
Seq. No.	19638	Seq. ID	OJ990826_11.9B09.C15
Gene No.	40970	Strand	+
Start	1	End	1867
Name	OJ990826_11.9B09.C15.o1.tw	Method	TBLASTX:Wheat
Start	711	End	1867
GI	none	Score	863
Exons	711..896, 716..1618, 717..1634, 1627..1674, 1629..1673, 1676..1771, 1680..1739, 1718..1858, 1719..1865, 1740..1865, 1748..1867		
Seq. No.	19638	Seq. ID	OJ990826_11.9B09.C15
Gene No.	40970	Strand	+
Start	1	End	1867

Name	OJ990826_11.9B09.C15.o1.tc	Method	TBLASTX:Cress
Start	1000	End	1452
GI	none	Score	158
Exons	1000..1182, 1004..1441, 1004..1447, 1008..1451, 1201..1452, 1302..1451		

Seq. No.	19639	Seq. ID	OJ990826_11.9B09.C17
Gene No.	40971	Strand	+
Start	775	End	2710
Name	OJ990826_11.9B09.C17.o2.np	Method	AAT/NAP
Start	775	End	2710
GI	4680186	Score	243
Exons	775..909, 1298..1498, 2261..2365, 2493..2710		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	19639	Seq. ID	OJ990826_11.9B09.C17
Gene No.	40971	Strand	+
Start	775	End	2710
Name	OJ990826_11.9B09.C17.o1.gs	Method	GENSCAN
Start	808	End	1600
GI	none	Score	.6
Exons	808..861, 1147..1458, 1464..1600		

Seq. No.	19639	Seq. ID	OJ990826_11.9B09.C17
Gene No.	40972	Strand	-
Start	1	End	5020
Name	OJ990826_11.9B09.C17.o1.np	Method	AAT/NAP
Start	1	End	3314
GI	4557066	Score	67
Exons	1..77, 277..484, 3273..3314		
GI Descrip.	(AC007045) putative retroelement gag/pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19639	Seq. ID	OJ990826_11.9B09.C17
Gene No.	40972	Strand	-
Start	1	End	5020
Name	OJ990826_11.9B09.C17.o1.gp	Method	AAT/GAP
Start	2270	End	2652
GI	uC-osflcyp033a04b1	Score	672
Exons	2270..2652		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19639	Seq. ID	OJ990826_11.9B09.C17
Gene No.	40972	Strand	-
Start	1	End	5020
Name	OJ990826_11.9B09.C17.o2.gs	Method	GENSCAN
Start	3110	End	4436
GI	none	Score	.68
Exons	3110..3214, 3688..3723, 3766..4436		

Seq. No.	19639	Seq. ID	OJ990826_11.9B09.C17
Gene No.	40972	Strand	-
Start	1	End	5020
Name	OJ990826_11.9B09.C17.o3.np	Method	AAT/NAP
Start	3113	End	5020
GI	6907087	Score	1192

Exons	3113..3214, 3766..4432, 4641..5020		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19640	Seq. ID	OJ990826_11.9B09.C18
Gene No.	40973	Strand	-
Start	359	End	466
Name	OJ990826_11.9B09.C18.o1.gs	Method	GENSCAN
Start	359	End	466
GI	none	Score	.7
Exons	359..466		
Seq. No.	19641	Seq. ID	OJ990826_11.9B09.C20
Gene No.	40974	Strand	+
Start	1	End	554
Name	OJ990826_11.9B09.C20.o1.np	Method	AAT/NAP
Start	1	End	554
GI	4680179	Score	451
Exons	1..193, 221..554		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	19641	Seq. ID	OJ990826_11.9B09.C20
Gene No.	40974	Strand	+
Start	1	End	554
Name	OJ990826_11.9B09.C20.o1.gs	Method	GENSCAN
Start	63	End	278
GI	none	Score	.96
Exons	63..278		
Seq. No.	19641	Seq. ID	OJ990826_11.9B09.C20
Gene No.	40974	Strand	+
Start	1	End	554
Name	OJ990826_11.9B09.C20.o1.tw	Method	TBLASTX:Wheat
Start	113	End	493
GI	none	Score	59
Exons	113..157, 197..493, 277..417		
Seq. No.	19642	Seq. ID	OJ990826_11.9B09.C21
Gene No.	40975	Strand	-
Start	22	End	574
Name	OJ990826_11.9B09.C21.o1.np	Method	AAT/NAP
Start	22	End	574
GI	6063554	Score	97
Exons	22..239, 324..574		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	19642	Seq. ID	OJ990826_11.9B09.C21
Gene No.	40975	Strand	-
Start	22	End	574
Name	OJ990826_11.9B09.C21.o1.gs	Method	GENSCAN
Start	49	End	527
GI	none	Score	.44
Exons	49..527		

Seq. No.	19643	Seq. ID	OJ990826_11.9B09.C22
Gene No.	40976	Strand	+
Start	5732	End	7831
Name	OJ990826_11.9B09.C22.o2.np	Method	AAT/NAP
Start	5732	End	7831
GI	5852180	Score	380
Exons	5732..5785, 6768..6885, 6937..7318, 7764..7831		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19643	Seq. ID	OJ990826_11.9B09.C22
Gene No.	40977	Strand	-
Start	687	End	1227
Name	OJ990826_11.9B09.C22.o1.gs	Method	GENSCAN
Start	687	End	1227
GI	none	Score	.46
Exons	687..844, 1014..1227		

Seq. No.	19643	Seq. ID	OJ990826_11.9B09.C22
Gene No.	40978	Strand	-
Start	5128	End	7338
Name	OJ990826_11.9B09.C22.o3.gs	Method	GENSCAN
Start	5128	End	7338
GI	none	Score	.74
Exons	5128..5194, 7179..7338		

Seq. No.	19643	Seq. ID	OJ990826_11.9B09.C22
Gene No.	40978	Strand	-
Start	5128	End	7338
Name	OJ990826_11.9B09.C22.o1.gp	Method	AAT/GAP
Start	5634	End	6015
GI	uC-osflcyp033a04b1	Score	663
Exons	5634..6015		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40979	Strand	+
Start	733	End	2076
Name	OJ990826_11.9B09.C23.o2.np	Method	AAT/NAP
Start	733	End	2076
GI	629693	Score	521
Exons	733..780, 959..2076		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40979	Strand	+
Start	733	End	2076
Name	OJ990826_11.9B09.C23.o1.np	Method	AAT/NAP
Start	844	End	2025
GI	4544372	Score	512
Exons	844..2025		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40980	Strand	+

Start	9869	End	10624
Name	OJ990826_11.9B09.C23.o3.gs	Method	GENSCAN
Start	9869	End	10562
GI	none	Score	.64
Exons	9869..10562		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40980	Strand	+
Start	9869	End	10624
Name	OJ990826_11.9B09.C23.o3.np	Method	AAT/NAP
Start	9869	End	10624
GI	4680203	Score	811
Exons	9869..10624		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40981	Strand	-
Start	2422	End	8400
Name	OJ990826_11.9B09.C23.o1.ts	Method	TBLASTX:Soybean
Start	182	End	592
GI	none	Score	145
Exons	182..319, 182..319, 340..507, 341..592		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40981	Strand	-
Start	2422	End	8400
Name	OJ990826_11.9B09.C23.o1.tm	Method	TBLASTX:Maize
Start	880	End	1197
GI	none	Score	194
Exons	880..1197		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40981	Strand	-
Start	2422	End	8400
Name	OJ990826_11.9B09.C23.o3.tw	Method	TBLASTX:Wheat
Start	886	End	1275
GI	none	Score	165
Exons	886..1194, 1219..1275		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40981	Strand	-
Start	2422	End	8400
Name	OJ990826_11.9B09.C23.o4.ts	Method	TBLASTX:Soybean
Start	1045	End	1355
GI	none	Score	212
Exons	1045..1353, 1149..1355		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40981	Strand	-
Start	2422	End	8400
Name	OJ990826_11.9B09.C23.o2.tw	Method	TBLASTX:Wheat
Start	1603	End	2010
GI	none	Score	204
Exons	1603..2010, 1752..1976		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40981	Strand	-

Start	2422	End	8400
Name	OJ990826_11.9B09.C23.o2.ts	Method	TBLASTX:Soybean
Start	1786	End	2076
GI	none	Score	224
Exons	1786..2076, 1786..1920, 1788..1958, 1996..2025, 1998..2027		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40981	Strand	-
Start	2422	End	8400
Name	OJ990826_11.9B09.C23.o2.gs	Method	GENSCAN
Start	2422	End	8400
GI	none	Score	.62
Exons	2422..2681, 2714..3104, 3187..3300, 3370..3429, 3507..3929, 4016..4274, 4470..4764, 4999..5473, 5570..5737, 7439..7511, 8222..8400		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40982	Strand	
Start	10206	End	10624
Name	OJ990826_11.9B09.C23.o1.tw	Method	TBLASTX:Wheat
Start	10206	End	10571
GI	none	Score	84
Exons	10206..10313, 10220..10327, 10310..10555, 10318..10554, 10321..10563, 10329..10571		

Seq. No.	19644	Seq. ID	OJ990826_11.9B09.C23
Gene No.	40982	Strand	
Start	10206	End	10624
Name	OJ990826_11.9B09.C23.o3.ts	Method	TBLASTX:Soybean
Start	10343	End	10624
GI	none	Score	207
Exons	10343..10558, 10351..10557, 10553..10624		

Seq. No.	19645	Seq. ID	OJ990826_11.9B09.C24
Gene No.	40983	Strand	+
Start	157	End	299
Name	OJ990826_11.9B09.C24.o1.gs	Method	GENSCAN
Start	157	End	299
GI	none	Score	.85
Exons	157..299		

Seq. No.	19646	Seq. ID	OJ990916_18.9B01.C1
Gene No.	40984	Strand	-
Start	1	End	917
Name	OJ990916_18.9B01.C1.o1.np	Method	AAT/NAP
Start	1	End	917
GI	4680203	Score	518
Exons	1..917		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	19646	Seq. ID	OJ990916_18.9B01.C1
Gene No.	40984	Strand	-
Start	1	End	917
Name	OJ990916_18.9B01.C1.o1.tw	Method	TBLASTX:Wheat
Start	21	End	572
GI	none	Score	76
Exons	21..143, 37..120, 156..572, 157..483		

Seq. No.	19646	Seq. ID	OJ990916_18.9B01.C1
Gene No.	40984	Strand	-
Start	1	End	917
Name	OJ990916_18.9B01.C1.o1.gs	Method	GENSCAN
Start	48	End	917
GI	none	Score	.93
Exons	48..917		

Seq. No.	19646	Seq. ID	OJ990916_18.9B01.C1
Gene No.	40984	Strand	-
Start	1	End	917
Name	OJ990916_18.9B01.C1.o1.ts	Method	TBLASTX:Soybean
Start	163	End	500
GI	none	Score	192
Exons	163..447, 165..446, 214..468, 445..495, 453..500		

Seq. No.	19647	Seq. ID	OJ990916_18.9B01.C2
Gene No.	40985	Strand	-
Start	2086	End	2282
Name	OJ990916_18.9B01.C2.o1.gs	Method	GENSCAN
Start	2086	End	2282
GI	none	Score	.52
Exons	2086..2106, 2235..2282		

Seq. No.	19648	Seq. ID	OJ990916_18.9B01.C4
Gene No.	40986	Strand	+
Start	1	End	185
Name	OJ990916_18.9B01.C4.o1.np	Method	AAT/NAP
Start	1	End	185
GI	5738378	Score	144
Exons	1..185		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		

Seq. No.	19648	Seq. ID	OJ990916_18.9B01.C4
Gene No.	40987	Strand	+
Start	458	End	1118
Name	OJ990916_18.9B01.C4.o1.gs	Method	GENSCAN
Start	458	End	1118
GI	none	Score	.68
Exons	458..547, 777..831, 1006..1118		

Seq. No.	19648	Seq. ID	OJ990916_18.9B01.C4
Gene No.	40988	Strand	-
Start	1	End	374
Name	OJ990916_18.9B01.C4.o1.gp	Method	AAT/GAP
Start	1	End	374
GI	4780_1.R1084	Score	732
Exons	1..374		
GI Descrip.	'5738378/emb|CAB52821.1| 1.0e-73 (AL080253) putative protein [Arabidopsis thaliana]'		

Seq. No.	19648	Seq. ID	OJ990916_18.9B01.C4
Gene No.	40988	Strand	-
Start	1	End	374
Name	OJ990916_18.9B01.C4.o1.tm	Method	TBLASTX:Maize
Start	3	End	275

GI	none	Score	263
Exons	3..185, 4..186, 5..169, 252..275		

Seq. No.	19648	Seq. ID	OJ990916_18.9B01.C4
Gene No.	40988	Strand	-
Start	1	End	374
Name	OJ990916_18.9B01.C4.o1.ts	Method	TBLASTX:Soybean
Start	3	End	178
GI	4303668	Score	206
Exons	3..170, 3..170, 5..178		
GI Descrip.	2228771 5.0e-09 (AF001453) Dc3 promoter-binding factor-1 [Helianthus annuus]		

Seq. No.	19649	Seq. ID	OJ990916_18.9B01.C5
Gene No.	40989	Strand	+
Start	297	End	1549
Name	OJ990916_18.9B01.C5.o1.np	Method	AAT/NAP
Start	297	End	1549
GI	4455335	Score	659
Exons	297..457, 529..727, 1076..1549		
GI Descrip.	(AL035525) putative protein [Arabidopsis thaliana]		

Seq. No.	19649	Seq. ID	OJ990916_18.9B01.C5
Gene No.	40989	Strand	+
Start	297	End	1549
Name	OJ990916_18.9B01.C5.o1.gs	Method	GENSCAN
Start	529	End	1539
GI	none	Score	.7
Exons	529..727, 1076..1539		

Seq. No.	19649	Seq. ID	OJ990916_18.9B01.C5
Gene No.	40990	Strand	-
Start	1362	End	1549
Name	OJ990916_18.9B01.C5.o1.ts	Method	TBLASTX:Soybean
Start	290	End	1537
GI	none	Score	41
Exons	290..355, 296..457, 297..455, 383..457, 511..729, 523..729, 530..757, 1073..1312, 1078..1281, 1355..1537, 1390..1434		

Seq. No.	19649	Seq. ID	OJ990916_18.9B01.C5
Gene No.	40990	Strand	-
Start	1362	End	1549
Name	OJ990916_18.9B01.C5.o1.tm	Method	TBLASTX:Maize
Start	296	End	1547
GI	none	Score	259
Exons	296..457, 297..458, 303..455, 303..461, 511..732, 519..731, 527..760, 1067..1330, 1073..1336, 1078..1347, 1081..1335, 1328..1537, 1338..1547, 1340..1543		

Seq. No.	19649	Seq. ID	OJ990916_18.9B01.C5
Gene No.	40990	Strand	-
Start	1362	End	1549
Name	OJ990916_18.9B01.C5.o1.gp	Method	AAT/GAP
Start	1362	End	1549
GI	4505_1.R1084	Score	332
Exons	1362..1549		
GI Descrip.	'4455335/emb|CAB36795.1| 4.0e-10 (AL035525) putative protein		

[Arabidopsis thaliana]'

Seq. No.	19650	Seq. ID	OJ990916_18.9B01.C6
Gene No.	40991	Strand	-
Start	77	End	473
Name	OJ990916_18.9B01.C6.o1.gs	Method	GENSCAN
Start	77	End	473
GI	none	Score	.73
Exons	77..473		

Seq. No.	19651	Seq. ID	OJ990916_18.9B01.C8
Gene No.	40992	Strand	-
Start	1030	End	1085
Name	OJ990916_18.9B01.C8.o1.gp	Method	AAT/GAP
Start	1030	End	1085
GI	699868	Score	87
Exons	1030..1085		

Seq. No.	19652	Seq. ID	OJ990916_18.9B01.C9
Gene No.	40993	Strand	+
Start	1158	End	2327
Name	OJ990916_18.9B01.C9.o1.gs	Method	GENSCAN
Start	1158	End	2327
GI	none	Score	.51
Exons	1158..1307, 2247..2327		

Seq. No.	19652	Seq. ID	OJ990916_18.9B01.C9
Gene No.	40994	Strand	+
Start	3298	End	3574
Name	OJ990916_18.9B01.C9.o1.gp	Method	AAT/GAP
Start	3298	End	3574
GI	428703	Score	542
Exons	3298..3574		

Seq. No.	19652	Seq. ID	OJ990916_18.9B01.C9
Gene No.	40995	Strand	-
Start	2601	End	3476
Name	OJ990916_18.9B01.C9.o2.gs	Method	GENSCAN
Start	2601	End	3476
GI	none	Score	.8
Exons	2601..2749, 3269..3476		

Seq. No.	19653	Seq. ID	OJ990916_18.9B01.C10
Gene No.	40996	Strand	+
Start	1	End	2771
Name	OJ990916_18.9B01.C10.o1.np	Method	AAT/NAP
Start	1	End	547
GI	5903071	Score	471
Exons	1..547		
GI Descrip.	(AC008017) Unknown protein [Arabidopsis thaliana]		

Seq. No.	19653	Seq. ID	OJ990916_18.9B01.C10
Gene No.	40996	Strand	+
Start	1	End	2771
Name	OJ990916_18.9B01.C10.o2.tm	Method	TBLASTX:Maize
Start	2	End	215
GI	none	Score	86

Exons	2..61, 3..62, 86..211, 87..215		
Seq. No.	19653	Seq. ID	OJ990916_18.9B01.C10
Gene No.	40996	Strand	+
Start	1	End	2771
Name	OJ990916_18.9B01.C10.o1.ts	Method	TBLASTX:Soybean
Start	6	End	359
GI	none	Score	187
Exons	6..230, 45..155, 71..229, 315..359		
Seq. No.	19653	Seq. ID	OJ990916_18.9B01.C10
Gene No.	40996	Strand	+
Start	1	End	2771
Name	OJ990916_18.9B01.C10.o1.gs	Method	GENSCAN
Start	42	End	2771
GI	none	Score	.66
Exons	42..448, 540..701, 1217..1551, 2295..2322, 2555..2771		
Seq. No.	19653	Seq. ID	OJ990916_18.9B01.C10
Gene No.	40996	Strand	+
Start	1	End	2771
Name	OJ990916_18.9B01.C10.o1.tm	Method	TBLASTX:Maize
Start	219	End	547
GI	none	Score	97
Exons	219..377, 221..358, 375..533, 422..529, 446..547		
Seq. No.	19653	Seq. ID	OJ990916_18.9B01.C10
Gene No.	40996	Strand	+
Start	1	End	2771
Name	OJ990916_18.9B01.C10.o1.tc	Method	TBLASTX:Cress
Start	312	End	524
GI	none	Score	86
Exons	312..377, 369..524, 416..520		
Seq. No.	19653	Seq. ID	OJ990916_18.9B01.C10
Gene No.	40996	Strand	+
Start	1	End	2771
Name	OJ990916_18.9B01.C10.o2.ts	Method	TBLASTX:Soybean
Start	369	End	524
GI	none	Score	196
Exons	369..524, 422..514		
Seq. No.	19654	Seq. ID	OJ990916_18.9B01.C11
Gene No.	40997	Strand	+
Start	1	End	2243
Name	OJ990916_18.9B01.C11.o1.np	Method	AAT/NAP
Start	1	End	2243
GI	2429362	Score	171
Exons	1..305, 1709..2243		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		
Seq. No.	19654	Seq. ID	OJ990916_18.9B01.C11
Gene No.	40998	Strand	-
Start	43	End	305
Name	OJ990916_18.9B01.C11.o1.gs	Method	GENSCAN
Start	43	End	305
GI	none	Score	.47

Exons	43..305		
Seq. No.	19654	Seq. ID	OJ990916_18.9B01.C11
Gene No.	40999	Strand	-
Start	670	End	1951
Name	OJ990916_18.9B01.C11.o2.gs	Method	GENSCAN
Start	670	End	1951
GI	none	Score	.55
Exons	670..800, 1015..1147, 1283..1642, 1880..1951		
Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41000	Strand	+
Start	10642	End	18025
Name	OJ990916_18.9B01.C12.o1.np	Method	AAT/NAP
Start	10642	End	12578
GI	2129579	Score	2441
Exons	10642..11883, 12138..12578		
GI Descrip.	Dwarf1 protein - Arabidopsis thaliana gi|516043 (U12400) Dwarf1 [Arabidopsis thaliana]		
Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41000	Strand	+
Start	10642	End	18025
Name	OJ990916_18.9B01.C12.o3.gs	Method	GENSCAN
Start	10642	End	18010
GI	none	Score	.59
Exons	10642..11883, 12138..12527, 14965..15378, 16304..16555, 17343..17474, 17894..18010		
Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41000	Strand	+
Start	10642	End	18025
Name	OJ990916_18.9B01.C12.o1.gp	Method	AAT/GAP
Start	11255	End	12885
GI	352_2.R1084	Score	2689
Exons	11255..11883, 12138..12885		
GI Descrip.	'2129579/pir||S71189 1.0e-174 Dwarf1 protein - Arabidopsis thaliana >gi_516043 (U12400) Dwarf1 [Arabidopsis thaliana]'		
Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41000	Strand	+
Start	10642	End	18025
Name	OJ990916_18.9B01.C12.o2.np	Method	AAT/NAP
Start	16304	End	18025
GI	5738378	Score	420
Exons	16304..16555, 17343..17474, 17894..18025		
GI Descrip.	(AL080253) putative protein [Arabidopsis thaliana]		
Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41000	Strand	+
Start	10642	End	18025
Name	OJ990916_18.9B01.C12.o2.gp	Method	AAT/GAP
Start	16520	End	18010
GI	4780_1.R1084	Score	479
Exons	16520..16555, 17343..17474, 17894..18010		
GI Descrip.	'5738378/emb|CAB52821.1| 1.0e-73 (AL080253) putative protein [Arabidopsis thaliana]'		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41001	Strand	-
Start	65	End	3838
Name	OJ990916_18.9B01.C12.o1.gs	Method	GENSCAN
Start	65	End	3838
GI	none	Score	.63
Exons	65..240, 2003..2088, 3639..3838		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41002	Strand	
Start	10600	End	12592
Name	OJ990916_18.9B01.C12.o1.tc	Method	TBLASTX:Cress
Start	10600	End	12572
GI	none	Score	1813
Exons	10600..10791, 10635..11081, 10642..11886, 10819..11886, 11129..11890, 11160..11903, 12136..12318, 12137..12529, 12138..12572		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41002	Strand	
Start	10600	End	12592
Name	OJ990916_18.9B01.C12.o1.tm	Method	TBLASTX:Maize
Start	10625	End	12592
GI	none	Score	354
Exons	10625..11065, 10639..11751, 10642..11751, 11160..11765, 11730..11888, 11749..11886, 11750..11890, 11753..11890, 12135..12494, 12137..12532, 12138..12575, 12299..12592		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41002	Strand	
Start	10600	End	12592
Name	OJ990916_18.9B01.C12.o1.ts	Method	TBLASTX:Soybean
Start	10657	End	12572
GI	none	Score	1057
Exons	10657..11433, 10657..11433, 11425..11886, 11429..11884, 11436..11903, 11440..11886, 12135..12494, 12137..12532, 12138..12572, 12175..12537		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41002	Strand	
Start	10600	End	12592
Name	OJ990916_18.9B01.C12.o1.tw	Method	TBLASTX:Wheat
Start	10976	End	11499
GI	none	Score	736
Exons	10976..11056, 10977..11081, 10978..11499, 10981..11496, 11160..11498		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41002	Strand	
Start	10600	End	12592
Name	OJ990916_18.9B01.C12.o2.tw	Method	TBLASTX:Wheat
Start	11611	End	11900
GI	none	Score	469
Exons	11611..11883, 11615..11887, 11616..11888, 11616..11900		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12

Gene No.	41002	Strand	
Start	10600	End	12592
Name	OJ990916_18.9B01.C12.o3.tw	Method	TBLASTX:Wheat
Start	12314	End	12588
GI	none	Score	226
Exons	12314..12568, 12315..12581, 12317..12532, 12340..12588		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41003	Strand	
Start	16297	End	18022
Name	OJ990916_18.9B01.C12.o2.ts	Method	TBLASTX:Soybean
Start	16297	End	17489
GI	none	Score	211
Exons	16297..16380, 16298..16549, 16456..16542, 17335..17481, 17336..17482, 17340..17480, 17340..17489		

Seq. No.	19655	Seq. ID	OJ990916_18.9B01.C12
Gene No.	41003	Strand	
Start	16297	End	18022
Name	OJ990916_18.9B01.C12.o2.tm	Method	TBLASTX:Maize
Start	16303	End	18022
GI	none	Score	395
Exons	16303..16545, 16304..16555, 17340..17480, 17342..17473, 17886..17933, 17891..18010, 17891..18022		

Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41004	Strand	+
Start	1	End	2314
Name	OJ990916_18.9B01.C13.o1.np	Method	AAT/NAP
Start	1	End	2314
GI	4206306	Score	1541
Exons	1..2314		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41005	Strand	+
Start	4041	End	11110
Name	OJ990916_18.9B01.C13.o2.np	Method	AAT/NAP
Start	4041	End	11110
GI	5852180	Score	514
Exons	4041..4125, 7528..7581, 8560..8681, 8733..9175, 11049..11110		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41005	Strand	+
Start	4041	End	11110
Name	OJ990916_18.9B01.C13.o3.gs	Method	GENSCAN
Start	6077	End	7880
GI	none	Score	.9
Exons	6077..6473, 7528..7581, 7678..7880		

Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41005	Strand	+
Start	4041	End	11110
Name	OJ990916_18.9B01.C13.o4.gs	Method	GENSCAN
Start	8794	End	9105
GI	none	Score	.85

Exons	8794..9105		
Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41006	Strand	-
Start	2902	End	5954
Name	OJ990916_18.9B01.C13.o2.gs	Method	GENSCAN
Start	2902	End	5954
GI	none	Score	.7
Exons	2902..3339, 3634..3873, 4024..4293, 4350..4457, 4560..5053, 5149..5373, 5630..5954		
Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41007	Strand	-
Start	7430	End	7810
Name	OJ990916_18.9B01.C13.o1.tw	Method	TBLASTX:Wheat
Start	487	End	919
GI	none	Score	129
Exons	487..576, 488..595, 632..919, 634..918		
Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41007	Strand	-
Start	7430	End	7810
Name	OJ990916_18.9B01.C13.o2.tm	Method	TBLASTX:Maize
Start	1098	End	1365
GI	none	Score	216
Exons	1098..1364, 1150..1365, 1223..1363		
Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41007	Strand	-
Start	7430	End	7810
Name	OJ990916_18.9B01.C13.o2.tw	Method	TBLASTX:Wheat
Start	1206	End	1595
GI	none	Score	252
Exons	1206..1595		
Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41007	Strand	-
Start	7430	End	7810
Name	OJ990916_18.9B01.C13.o1.tm	Method	TBLASTX:Maize
Start	1365	End	1727
GI	none	Score	364
Exons	1365..1727, 1457..1726		
Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41007	Strand	-
Start	7430	End	7810
Name	OJ990916_18.9B01.C13.o1.ts	Method	TBLASTX:Soybean
Start	1368	End	1742
GI	none	Score	92
Exons	1368..1511, 1397..1510, 1517..1735, 1518..1742		
Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41007	Strand	-
Start	7430	End	7810
Name	OJ990916_18.9B01.C13.o3.tm	Method	TBLASTX:Maize
Start	2003	End	2263
GI	none	Score	184

Exons	2003..2263, 2044..2238		
Seq. No.	19656	Seq. ID	OJ990916_18.9B01.C13
Gene No.	41007	Strand	-
Start	7430	End	7810
Name	OJ990916_18.9B01.C13.o1.gp	Method	AAT/GAP
Start	7430	End	7810
GI	uC-osflcyp033a04b1	Score	662
Exons	7430..7810		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	19657	Seq. ID	OJ990916_18.9B01.C14
Gene No.	41008	Strand	+
Start	1087	End	1164
Name	OJ990916_18.9B01.C14.o1.gp	Method	AAT/GAP
Start	1087	End	1164
GI	38012_1.R1084	Score	89
Exons	1087..1164		
GI Descrip.	'4097947/gb|U72255|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	19657	Seq. ID	OJ990916_18.9B01.C14
Gene No.	41009	Strand	+
Start	3658	End	4224
Name	OJ990916_18.9B01.C14.o1.gs	Method	GENSCAN
Start	3658	End	4224
GI	none	Score	1
Exons	3658..4224		
Seq. No.	19657	Seq. ID	OJ990916_18.9B01.C14
Gene No.	41009	Strand	+
Start	3658	End	4224
Name	OJ990916_18.9B01.C14.o1.np	Method	AAT/NAP
Start	3658	End	4212
GI	6227011	Score	185
Exons	3658..4212		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		
Seq. No.	19658	Seq. ID	OJ990916_18.9B01.C15
Gene No.	41010	Strand	+
Start	1	End	1601
Name	OJ990916_18.9B01.C15.o1.np	Method	AAT/NAP
Start	1	End	800
GI	6324074	Score	83
Exons	1..30, 638..800		
GI Descrip.	Contains seven cysteine rich zinc finger motifs of the 'CCHC retroviral-type'; Gis2p gi|1730843|sp|P53849|YNZ5_YEAST HYPOTHETICAL 17.1 KD PROTEIN IN SIP3-MRPL30 INTERGENIC REGION gi|2131945|pir||S63228 hypothetical protein YNL255c - yeast (Saccharomyces cerevisiae) gi|1255963|emb|CAA65489| (X96722) ORF NO852 [Saccharomyces cerevisiae] gi|1302303|emb|CAA96162| (Z71			
Seq. No.	19658	Seq. ID	OJ990916_18.9B01.C15
Gene No.	41010	Strand	+
Start	1	End	1601
Name	OJ990916_18.9B01.C15.o1.gs	Method	GENSCAN

Start	480	End	1601
GI	none	Score	.6
Exons	480..1601		

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819
Name	OJ990916_18.9B01.C16.o1.gs	Method	GENSCAN
Start	140	End	1772
GI	none	Score	.45
Exons	140..352, 418..560, 929..1772		

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819
Name	OJ990916_18.9B01.C16.o1.tw	Method	TBLASTX:Wheat
Start	194	End	1442
GI	none	Score	71
Exons	194..313, 314..418, 315..419, 556..696, 556..696, 777..893,	445..489, 489..533, 490..540, 900..1442, 1035..1295, 1048..1398	

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819
Name	OJ990916_18.9B01.C16.o1.ts	Method	TBLASTX:Soybean
Start	257	End	504
GI	none	Score	71
Exons	257..451, 321..437, 448..504		

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819
Name	OJ990916_18.9B01.C16.o1.np	Method	AAT/NAP
Start	611	End	1819
GI	6742729	Score	923
Exons	611..1819		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819
Name	OJ990916_18.9B01.C16.o1.tc	Method	TBLASTX:Cress
Start	792	End	1152
GI	none	Score	91
Exons	792..893, 900..1151, 1048..1152		

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819
Name	OJ990916_18.9B01.C16.o1.tm	Method	TBLASTX:Maize
Start	1086	End	1401
GI	none	Score	158
Exons	1086..1400, 1105..1401		

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819

Name	OJ990916_18.9B01.C16.o2.ts	Method	TBLASTX:Soybean
Start	1098	End	1481
GI	none	Score	61
Exons	1098..1343, 1099..1224, 1353..1481		

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819
Name	OJ990916_18.9B01.C16.o2.tm	Method	TBLASTX:Maize
Start	1579	End	1769
GI	none	Score	83
Exons	1579..1767, 1587..1769		

Seq. No.	19659	Seq. ID	OJ990916_18.9B01.C16
Gene No.	41011	Strand	-
Start	140	End	1819
Name	OJ990916_18.9B01.C16.o2.tw	Method	TBLASTX:Wheat
Start	1590	End	1773
GI	none	Score	43
Exons	1590..1652, 1600..1641, 1653..1772, 1656..1772, 1657..1773		

Seq. No.	19660	Seq. ID	OJ990916_18.9B01.C17
Gene No.	41012	Strand	+
Start	23	End	193
Name	OJ990916_18.9B01.C17.o1.gs	Method	GENSCAN
Start	23	End	193
GI	none	Score	1
Exons	23..193		

Seq. No.	19661	Seq. ID	OJ990916_18.9B01.C18
Gene No.	41013	Strand	+
Start	757	End	6242
Name	OJ990916_18.9B01.C18.o1.np	Method	AAT/NAP
Start	757	End	6231
GI	81286	Score	299
Exons	757..1206, 6058..6231		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	19661	Seq. ID	OJ990916_18.9B01.C18
Gene No.	41013	Strand	+
Start	757	End	6242
Name	OJ990916_18.9B01.C18.o1.gs	Method	GENSCAN
Start	784	End	6242
GI	none	Score	.62
Exons	784..1169, 1773..2395, 2474..2920, 3007..3276, 3388..3867, 4060..4148, 4231..4519, 5847..6242		

Seq. No.	19661	Seq. ID	OJ990916_18.9B01.C18
Gene No.	41014	Strand	-
Start	7594	End	9020
Name	OJ990916_18.9B01.C18.o1.tm	Method	TBLASTX:Maize
Start	5984	End	6230
GI	none	Score	75
Exons	5984..6094, 5985..6086, 6083..6229, 6099..6230, 6168..6230		

Seq. No.	19661	Seq. ID	OJ990916_18.9B01.C18

Gene No.	41014	Strand	-
Start	7594	End	9020
Name	OJ990916_18.9B01.C18.o2.gs	Method	GENSCAN
Start	7594	End	9020
GI	none	Score	.62
Exons	7594..7763, 8273..8430, 8935..9020		

Seq. No.	19662	Seq. ID	OJ990916_18.9B01.C19
Gene No.	41015	Strand	+
Start	866	End	1267
Name	OJ990916_18.9B01.C19.o1.gs	Method	GENSCAN
Start	866	End	1267
GI	none	Score	.83
Exons	866..899, 1251..1267		

Seq. No.	19662	Seq. ID	OJ990916_18.9B01.C19
Gene No.	41016	Strand	+
Start	3517	End	4285
Name	OJ990916_18.9B01.C19.o1.np	Method	AAT/NAP
Start	3517	End	4285
GI	4680183	Score	197
Exons	3517..3586, 4196..4285		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19662	Seq. ID	OJ990916_18.9B01.C19
Gene No.	41017	Strand	+
Start	6720	End	7458
Name	OJ990916_18.9B01.C19.o3.gs	Method	GENSCAN
Start	6720	End	7458
GI	none	Score	.52
Exons	6720..6854, 7426..7458		

Seq. No.	19662	Seq. ID	OJ990916_18.9B01.C19
Gene No.	41018	Strand	+
Start	7882	End	11012
Name	OJ990916_18.9B01.C19.o2.np	Method	AAT/NAP
Start	7882	End	11012
GI	5295955	Score	276
Exons	7882..8135, 8392..8612, 9418..9608, 10352..11012		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	19662	Seq. ID	OJ990916_18.9B01.C19
Gene No.	41018	Strand	+
Start	7882	End	11012
Name	OJ990916_18.9B01.C19.o1.gp	Method	AAT/GAP
Start	8815	End	8923
GI	uC-osflcyp088b12b1	Score	160
Exons	8815..8923		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	19662	Seq. ID	OJ990916_18.9B01.C19
Gene No.	41019	Strand	-
Start	2673	End	6227
Name	OJ990916_18.9B01.C19.o2.gs	Method	GENSCAN
Start	2673	End	6227

GI	none	Score	.4
Exons	2673..2731, 2927..3067, 5306..5371, 5990..6065, 6198..6227		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41020	Strand	+
Start	7636	End	8403
Name	OJ990916_18.9B01.C20.o3.np	Method	AAT/NAP
Start	7636	End	8403
GI	4680183	Score	180
Exons	7636..7706, 8314..8403		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41021	Strand	-
Start	1154	End	5715
Name	OJ990916_18.9B01.C20.o1.np	Method	AAT/NAP
Start	1154	End	5715
GI	4680179	Score	7709
Exons	1154..5715		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o6.tw	Method	TBLASTX:Wheat
Start	1164	End	1531
GI	none	Score	36
Exons	1164..1217, 1199..1531, 1323..1439, 1424..1504		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o7.tm	Method	TBLASTX:Maize
Start	1178	End	1390
GI	none	Score	189
Exons	1178..1390		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o1.tm	Method	TBLASTX:Maize
Start	1391	End	1978
GI	none	Score	243
Exons	1391..1819, 1392..1817, 1817..1978, 1824..1970		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o1.tw	Method	TBLASTX:Wheat
Start	1532	End	2158
GI	none	Score	357
Exons	1532..2158, 1533..2156		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o4.tm	Method	TBLASTX:Maize

Start	2027	End	2318
GI	none	Score	224
Exons	2027..2317, 2031..2318		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o2.ts	Method	TBLASTX:Soybean
Start	2117	End	2377
GI	none	Score	158
Exons	2117..2377, 2118..2372		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o1.tc	Method	TBLASTX:Cress
Start	2141	End	2458
GI	none	Score	92
Exons	2141..2284, 2142..2282, 2285..2458		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o3.tw	Method	TBLASTX:Wheat
Start	2165	End	2644
GI	none	Score	245
Exons	2165..2644, 2166..2420, 2198..2599		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o2.tw	Method	TBLASTX:Wheat
Start	2648	End	3157
GI	none	Score	213
Exons	2648..3157, 2732..3079, 2739..3125		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o2.tm	Method	TBLASTX:Maize
Start	2727	End	3085
GI	none	Score	242
Exons	2727..2924, 2732..3085, 2739..3083		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o3.ts	Method	TBLASTX:Soybean
Start	2906	End	3151
GI	none	Score	202
Exons	2906..3151		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o3.tm	Method	TBLASTX:Maize
Start	3122	End	3622

GI	none	Score	46
Exons	3122..3457, 3165..3215, 3240..3371, 3443..3622		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o5.tw	Method	TBLASTX:Wheat
Start	3158	End	3460
GI	none	Score	246
Exons	3158..3460, 3159..3428		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o1.ts	Method	TBLASTX:Soybean
Start	3173	End	3568
GI	none	Score	165
Exons	3173..3532, 3174..3428, 3389..3532, 3524..3568, 3536..3568		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o4.tw	Method	TBLASTX:Wheat
Start	3509	End	3990
GI	none	Score	187
Exons	3509..3886, 3518..3880, 3552..3887, 3883..3990		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o5.tm	Method	TBLASTX:Maize
Start	3690	End	3978
GI	none	Score	165
Exons	3690..3881, 3692..3892, 3904..3978		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o8.tw	Method	TBLASTX:Wheat
Start	4153	End	4569
GI	none	Score	96
Exons	4153..4335, 4154..4309, 4375..4569, 4421..4519		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o8.tm	Method	TBLASTX:Maize
Start	4252	End	4572
GI	none	Score	70
Exons	4252..4572, 4427..4519		

Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o6.tm	Method	TBLASTX:Maize
Start	4876	End	5209
GI	none	Score	115

Exons	4876..5208, 4924..5208, 5021..5209		
Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o7.tw	Method	TBLASTX:Wheat
Start	5089	End	5452
GI	none	Score	100
Exons	5089..5448, 5090..5323, 5348..5452		
Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o2.gs	Method	GENSCAN
Start	5965	End	8956
GI	none	Score	.79
Exons	5965..6927, 8792..8956		
Seq. No.	19663	Seq. ID	OJ990916_18.9B01.C20
Gene No.	41022	Strand	-
Start	5965	End	8956
Name	OJ990916_18.9B01.C20.o2.np	Method	AAT/NAP
Start	5968	End	6861
GI	5042448	Score	1344
Exons	5968..6255, 6292..6861		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	19664	Seq. ID	OJ990916_18.9B01.C21
Gene No.	41023	Strand	+
Start	1	End	1012
Name	OJ990916_18.9B01.C21.o1.np	Method	AAT/NAP
Start	1	End	1012
GI	6721559	Score	395
Exons	1..105, 606..1012		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	19664	Seq. ID	OJ990916_18.9B01.C21
Gene No.	41024	Strand	+
Start	1757	End	3948
Name	OJ990916_18.9B01.C21.o1.gs	Method	GENSCAN
Start	1757	End	3948
GI	none	Score	.64
Exons	1757..1862, 2745..2888, 3579..3716, 3878..3948		
Seq. No.	19664	Seq. ID	OJ990916_18.9B01.C21
Gene No.	41025	Strand	-
Start	4561	End	10547
Name	OJ990916_18.9B01.C21.o2.gs	Method	GENSCAN
Start	4561	End	10547
GI	none	Score	.42
Exons	4561..4569, 4751..4768, 6089..6109, 7196..7252, 7334..7370, 8165..8398, 10238..10547		
Seq. No.	19665	Seq. ID	OJ990916_18.9B01.C22

Gene No.	41026	Strand	+
Start	1	End	3724
Name	OJ990916_18.9B01.C22.o1.np	Method	AAT/NAP
Start	1	End	3724
GI	4455335	Score	489
Exons	1..51, 2042..2234, 2319..2451, 3110..3209, 3289..3486, 3573..3724		
GI Descrip.	(AL035525) putative protein [Arabidopsis thaliana]		

Seq. No.	19665	Seq. ID	OJ990916_18.9B01.C22
Gene No.	41026	Strand	+
Start	1	End	3724
Name	OJ990916_18.9B01.C22.o1.gs	Method	GENSCAN
Start	260	End	3486
GI	none	Score	.55
Exons	260..403, 1973..2234, 3299..3486		

Seq. No.	19665	Seq. ID	OJ990916_18.9B01.C22
Gene No.	41026	Strand	+
Start	1	End	3724
Name	OJ990916_18.9B01.C22.o1.gp	Method	AAT/GAP
Start	3106	End	3724
GI	uC-osflcyp053d12b1	Score	788
Exons	3106..3209, 3289..3486, 3573..3724		
GI Descrip.	'4455335/emb|CAB36795.1| 3.0e-29 (AL035525) putative protein [Arabidopsis thaliana]'		

Seq. No.	19665	Seq. ID	OJ990916_18.9B01.C22
Gene No.	41026	Strand	+
Start	1	End	3724
Name	OJ990916_18.9B01.C22.o1.tm	Method	TBLASTX:Maize
Start	3283	End	3723
GI	none	Score	299
Exons	3283..3489, 3290..3487, 3562..3723, 3564..3722, 3634..3723		

Seq. No.	19666	Seq. ID	OJ990916_16.9B10.C3
Gene No.	41027	Strand	+
Start	1385	End	3105
Name	OJ990916_16.9B10.C3.o1.np	Method	AAT/NAP
Start	1385	End	3105
GI	6907086	Score	1173
Exons	1385..2164, 2224..2386, 2616..2959, 2997..3105		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19666	Seq. ID	OJ990916_16.9B10.C3
Gene No.	41027	Strand	+
Start	1385	End	3105
Name	OJ990916_16.9B10.C3.o1.gs	Method	GENSCAN
Start	1843	End	2130
GI	none	Score	.73
Exons	1843..2130		

Seq. No.	19667	Seq. ID	OJ990916_16.9B10.C4
Gene No.	41028	Strand	-
Start	411	End	1742
Name	OJ990916_16.9B10.C4.o1.gs	Method	GENSCAN
Start	411	End	1742

GI	none	Score	.66
Exons	411..545, 1707..1742		

Seq. No.	19667	Seq. ID	OJ990916_16.9B10.C4
Gene No.	41029	Strand	-
Start	3228	End	5236
Name	OJ990916_16.9B10.C4.o2.tm	Method	TBLASTX:Maize
Start	393	End	684
GI	none	Score	75
Exons	393..491, 486..683, 498..629, 571..684		

Seq. No.	19667	Seq. ID	OJ990916_16.9B10.C4
Gene No.	41029	Strand	-
Start	3228	End	5236
Name	OJ990916_16.9B10.C4.o1.tw	Method	TBLASTX:Wheat
Start	762	End	1130
GI	none	Score	73
Exons	762..1130, 763..885		

Seq. No.	19667	Seq. ID	OJ990916_16.9B10.C4
Gene No.	41029	Strand	-
Start	3228	End	5236
Name	OJ990916_16.9B10.C4.o1.tm	Method	TBLASTX:Maize
Start	855	End	1289
GI	none	Score	91
Exons	855..932, 957..1289, 1096..1251, 1107..1274, 1109..1276		

Seq. No.	19667	Seq. ID	OJ990916_16.9B10.C4
Gene No.	41029	Strand	-
Start	3228	End	5236
Name	OJ990916_16.9B10.C4.o2.gs	Method	GENSCAN
Start	3228	End	5236
GI	none	Score	.63
Exons	3228..3305, 4484..4551, 5167..5236		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41030	Strand	+
Start	331	End	6668
Name	OJ990916_16.9B10.C6.o1.gs	Method	GENSCAN
Start	331	End	5077
GI	none	Score	.79
Exons	331..417, 654..824, 2377..2422, 3362..3479, 3764..3974, 4205..4360, 4646..5077		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41030	Strand	+
Start	331	End	6668
Name	OJ990916_16.9B10.C6.o2.np	Method	AAT/NAP
Start	3343	End	6668
GI	2388583	Score	163
Exons	3343..3363, 4776..5000, 6636..6668		
GI Descrip.	(AC000098) Similar to Synechocystis hypothetical protein (gb|D90908). [Arabidopsis thaliana]		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41031	Strand	+
Start	12158	End	22218

Name	OJ990916_16.9B10.C6.o4.np	Method	AAT/NAP
Start	12130	End	13901
GI	6554183	Score	132
Exons	12130..12336, 13873..13901		
GI Descrip.	(AC011661) T23J18.11 [Arabidopsis thaliana]		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41031	Strand	+
Start	12158	End	22218
Name	OJ990916_16.9B10.C6.o3.gs	Method	GENSCAN
Start	12158	End	22218
GI	none	Score	.75
Exons	12158..12814, 13000..13092, 13446..13589, 13735..13920, 14227..14391, 16597..16671, 16755..16949, 19161..19370, 22126..22218		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41032	Strand	-
Start	1	End	857
Name	OJ990916_16.9B10.C6.o1.np	Method	AAT/NAP
Start	1	End	857
GI	5922623	Score	247
Exons	1..76, 244..396, 773..857		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41033	Strand	-
Start	5205	End	10095
Name	OJ990916_16.9B10.C6.o2.gs	Method	GENSCAN
Start	5205	End	10095
GI	none	Score	.76
Exons	5205..5330, 6016..6110, 6203..6392, 6475..6689, 7316..7410, 7890..8095, 8612..8704, 8945..9073, 9169..9620, 9688..9782, 9974..10095		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41033	Strand	-
Start	5205	End	10095
Name	OJ990916_16.9B10.C6.o1.gp	Method	AAT/GAP
Start	5968	End	6500
GI	702910	Score	667
Exons	5968..6110, 6203..6392, 6475..6500		
GI Descrip.	6002631/gb|AAF00071.1|AF093604_1 9.0e-32 (AF093604) apyrase [Arabidopsis thaliana]		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41033	Strand	-
Start	5205	End	10095
Name	OJ990916_16.9B10.C6.o3.np	Method	AAT/NAP
Start	6001	End	9466
GI	6006801	Score	1216
Exons	6001..6101, 6194..6392, 6475..6689, 7316..7410, 7890..8095, 8612..8704, 8806..8862, 8945..9073, 9169..9466		
GI Descrip.	(AF156783) apyrase [Arabidopsis thaliana]		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41033	Strand	-
Start	5205	End	10095
Name	OJ990916_16.9B10.C6.o2.gp	Method	AAT/GAP
Start	6557	End	8662
GI	uC-osflcyp101a05b1	Score	878
Exons	6557..6689, 7316..7410, 7890..8095, 8612..8662		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 9.0e-32 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41034	Strand	-
Start	26486	End	30133
Name	OJ990916_16.9B10.C6.o5.gs	Method	GENSCAN
Start	26486	End	30133
GI	none	Score	.54
Exons	26486..26691, 26778..26945, 27661..27786, 29429..29484, 30123..30133		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41035	Strand	-
Start	32271	End	33720
Name	OJ990916_16.9B10.C6.o1.tw	Method	TBLASTX:Wheat
Start	4231	End	5005
GI	none	Score	100
Exons	4231..4311, 4784..5002, 4867..5001, 4934..5005		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41035	Strand	-
Start	32271	End	33720
Name	OJ990916_16.9B10.C6.o1.tm	Method	TBLASTX:Maize
Start	6004	End	9465
GI	none	Score	92
Exons	6004..6102, 6022..6111, 6023..6112, 6180..6398, 6198..6401, 6202..6411, 6367..6690, 6474..6695, 6475..6690, 6608..6691, 7306..7416, 7314..7427, 7890..8099, 7892..8095, 7894..8106, 8609..8704, 8610..8714, 8611..8706, 8792..8863, 8803..8862, 8804..8863, 8936..9076, 8940..9089, 9166..9279, 9166..9309, 9170..9310, 9439..9465		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41035	Strand	-
Start	32271	End	33720
Name	OJ990916_16.9B10.C6.o1.ts	Method	TBLASTX:Soybean
Start	6005	End	8100
GI	none	Score	86
Exons	6005..6094, 6007..6111, 6008..6094, 6175..6276, 6194..6349, 6198..6410, 6198..6401, 6199..6411, 6460..6582, 6475..6588, 6580..6690, 6590..6664, 7365..7427, 7887..8018, 7890..8099, 7891..8100, 7892..8095, 8055..8099		

Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41035	Strand	-
Start	32271	End	33720
Name	OJ990916_16.9B10.C6.o2.ts	Method	TBLASTX:Soybean
Start	8609	End	9280
GI	none	Score	56

Exons	8609..8704, 8609..8704, 8789..8863, 8803..8862, 8936..9067, 8940..9068, 9178..9279, 9179..9280		
Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41035	Strand	-
Start	32271	End	33720
Name	OJ990916_16.9B10.C6.o1.tc	Method	TBLASTX:Cress
Start	8789	End	9279
GI	none	Score	58
Exons	8789..8863, 8803..8862, 8936..9076, 8940..9089, 9166..9279, 9176..9277		
Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41035	Strand	-
Start	32271	End	33720
Name	OJ990916_16.9B10.C6.o2.tw	Method	TBLASTX:Wheat
Start	8812	End	9282
GI	none	Score	104
Exons	8812..8862, 8904..9071, 8936..9067, 9149..9280, 9166..9282, 9166..9282		
Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41035	Strand	-
Start	32271	End	33720
Name	OJ990916_16.9B10.C6.o2.tm	Method	TBLASTX:Maize
Start	12455	End	12643
GI	none	Score	176
Exons	12455..12550, 12460..12552, 12572..12643, 12586..12636, 12602..12643		
Seq. No.	19668	Seq. ID	OJ990916_16.9B10.C6
Gene No.	41035	Strand	-
Start	32271	End	33720
Name	OJ990916_16.9B10.C6.o6.gs	Method	GENSCAN
Start	32271	End	33720
GI	none	Score	.67
Exons	32271..32585, 32681..32924, 33118..33151, 33399..33720		
Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41036	Strand	+
Start	1710	End	3142
Name	OJ990916_16.9B10.C7.o1.gs	Method	GENSCAN
Start	1710	End	3142
GI	none	Score	.76
Exons	1710..1816, 1893..2167, 2723..2826, 2864..3142		
Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41037	Strand	+
Start	4283	End	5212
Name	OJ990916_16.9B10.C7.o2.gs	Method	GENSCAN
Start	4283	End	5212
GI	none	Score	.45
Exons	4283..4356, 4973..5095, 5101..5212		
Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41038	Strand	+
Start	6373	End	10081

Name	OJ990916_16.9B10.C7.o1.np	Method	AAT/NAP
Start	6373	End	8776
GI	4678924	Score	676
Exons	6373..6581, 6763..6993, 7072..7215, 7247..7333, 7435..7600, 7678..7884, 7986..8077, 8198..8378, 8505..8545, 8711..8776		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41038	Strand	+
Start	6373	End	10081
Name	OJ990916_16.9B10.C7.o3.gs	Method	GENSCAN
Start	6373	End	9551
GI	none	Score	.67
Exons	6373..7343, 7424..7600, 7678..7857, 7947..8041, 8127..8366, 8464..8578, 8649..8671, 8732..8962, 9078..9128, 9313..9380, 9438..9551		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41038	Strand	+
Start	6373	End	10081
Name	OJ990916_16.9B10.C7.o1.gp	Method	AAT/GAP
Start	7489	End	8183
GI	uC-osroM202010c03a1	Score	824
Exons	7489..7600, 7678..7863, 7947..8041, 8127..8183		
GI Descrip.	'4678924/emb|CAB41315.1| 2.0e-46 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41038	Strand	+
Start	6373	End	10081
Name	OJ990916_16.9B10.C7.o2.gp	Method	AAT/GAP
Start	9313	End	10081
GI	none	Score	1431
Exons	9313..10081		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41039	Strand	+
Start	38111	End	38654
Name	OJ990916_16.9B10.C7.o5.gp	Method	AAT/GAP
Start	38111	End	38654
GI	2173_1.R1084	Score	1088
Exons	38111..38654		
GI Descrip.	'5729704/gb|AAD48511.1|AC007927_1 2.0e-23 (AC007927) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41040	Strand	-
Start	15455	End	17640
Name	OJ990916_16.9B10.C7.o2.np	Method	AAT/NAP
Start	15455	End	17640
GI	6967112	Score	337
Exons	15455..15729, 15803..16028, 16119..16236, 17597..17640		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41041	Strand	-
Start	18273	End	18735

Name	OJ990916_16.9B10.C7.o4.gp	Method	AAT/GAP
Start	18273	End	18735
GI	701303	Score	803
Exons	18273..18735		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41042	Strand	-
Start	20637	End	29594
Name	OJ990916_16.9B10.C7.o5.gs	Method	GENSCAN
Start	20637	End	29594
GI	none	Score	.62
Exons	20637..20827, 21102..21275, 22614..22747, 23860..23980, 25162..25194, 25565..25763, 25966..26508, 26600..26957, 27239..27566, 28536..28632, 29004..29105, 29219..29250, 29462..29594		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41042	Strand	-
Start	20637	End	29594
Name	OJ990916_16.9B10.C7.o3.np	Method	AAT/NAP
Start	25485	End	29312
GI	6850880	Score	646
Exons	25485..25761, 25970..26508, 26600..26957, 27239..27454, 29272..29312		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41043	Strand	-
Start	30474	End	37440
Name	OJ990916_16.9B10.C7.o6.gs	Method	GENSCAN
Start	30474	End	37440
GI	none	Score	.9
Exons	30474..30599, 30677..30997, 31264..31368, 31443..31655, 31805..31898, 32001..32071, 32147..32318, 32470..32512, 32603..32664, 33560..33653, 33792..33912, 34037..34268, 34657..34742, 34832..35039, 35688..35771, 36181..36323, 36422..36497, 36942..37054, 37198..37440		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41043	Strand	-
Start	30474	End	37440
Name	OJ990916_16.9B10.C7.o4.np	Method	AAT/NAP
Start	31073	End	37118
GI	2500112	Score	416
Exons	31073..31111, 33052..33177, 33517..33653, 33792..33912, 34037..34268, 34657..34742, 34832..35039, 35688..35771, 35880..35966, 36187..36323, 36422..36497, 36942..37118		
GI Descrip.	ATP-DEPENDENT DNA HELICASE RECQ gi|1573732 (U32756) ATP-dependent DNA helicase (recQ) [Haemophilus influenzae Rd]		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o9.tm	Method	TBLASTX:Maize
Start	6351	End	6591
GI	none	Score	306
Exons	6351..6566, 6355..6591, 6370..6558, 6390..6590		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o4.tc	Method	TBLASTX:Cress
Start	6370	End	6573
GI	none	Score	263
Exons	6370..6573, 6373..6552, 6390..6560		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o4.ts	Method	TBLASTX:Soybean
Start	6373	End	6561
GI	none	Score	263
Exons	6373..6561, 6373..6555, 6390..6560		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o1.ts	Method	TBLASTX:Soybean
Start	6997	End	8019
GI	none	Score	63
Exons	6997..7056, 7051..7158, 7068..7157, 7479..7511, 7514..7606, 7515..7607, 7670..7819, 7672..7866, 7676..7873, 7830..7874, 7932..8018, 7951..8019		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o1.tc	Method	TBLASTX:Cress
Start	7476	End	7879
GI	none	Score	150
Exons	7476..7598, 7478..7600, 7672..7857, 7676..7879		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o7.tm	Method	TBLASTX:Maize
Start	7490	End	8009
GI	none	Score	164
Exons	7490..7600, 7491..7607, 7491..7616, 7670..7819, 7672..7875, 7676..7876, 7902..8009, 7941..7976		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o4.tm	Method	TBLASTX:Maize
Start	15431	End	15935
GI	none	Score	239
Exons	15431..15616, 15435..15611, 15436..15642, 15608..15757, 15612..15764, 15612..15761, 15613..15783, 15790..15933, 15800..15934, 15801..15935		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338

Name	OJ990916_16.9B10.C7.o7.ts	Method	TBLASTX:Soybean
Start	15452	End	15739
GI	none	Score	67
Exons	15452..15514, 15530..15739, 15642..15731		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o1.tw	Method	TBLASTX:Wheat
Start	15530	End	15962
GI	none	Score	67
Exons	15530..15625, 15638..15730, 15639..15731, 15827..15955, 15834..15962		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o5.tm	Method	TBLASTX:Maize
Start	15936	End	16469
GI	none	Score	99
Exons	15936..16031, 15939..16031, 15940..16032, 16080..16244, 16113..16469, 16114..16455, 16302..16457		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o14.tm	Method	TBLASTX:Maize
Start	25461	End	25627
GI	none	Score	185
Exons	25461..25619, 25462..25617, 25483..25623, 25487..25627, 25496..25627		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o9.ts	Method	TBLASTX:Soybean
Start	25467	End	25751
GI	none	Score	190
Exons	25467..25751		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o2.tw	Method	TBLASTX:Wheat
Start	25485	End	25709
GI	none	Score	91
Exons	25485..25709, 25486..25686		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o5.tc	Method	TBLASTX:Cress
Start	25497	End	25722
GI	none	Score	69
Exons	25497..25721, 25528..25722		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7

Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o1.tm	Method	TBLASTX:Maize
Start	25650	End	26936
GI	none	Score	102
Exons	25650..25724, 25651..25725, 25710..25766, 25722..25778, 25966..26175, 25967..26491, 25967..26185, 25987..26511, 26013..26510, 26230..26511, 26579..26737, 26585..26710, 26592..26711, 26627..26890, 26699..26890, 26886..26936, 26888..26935		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o3.tc	Method	TBLASTX:Cress
Start	26113	End	26950
GI	none	Score	237
Exons	26113..26280, 26389..26514, 26600..26950		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o2.ts	Method	TBLASTX:Soybean
Start	26389	End	26953
GI	none	Score	244
Exons	26389..26514, 26600..26953		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o8.ts	Method	TBLASTX:Soybean
Start	31156	End	31360
GI	none	Score	94
Exons	31156..31359, 31159..31347, 31166..31360		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o10.tm	Method	TBLASTX:Maize
Start	31243	End	32323
GI	none	Score	154
Exons	31243..31362, 31243..31368, 31260..31379, 31443..31568, 31444..31569, 31475..31570, 31573..31656, 31575..31658, 31579..31656, 31805..31897, 31806..31898, 31807..31899, 31989..32072, 31991..32080, 32000..32074, 32145..32321, 32146..32322, 32147..32323, 32147..32320		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o16.tm	Method	TBLASTX:Maize
Start	34064	End	34264
GI	none	Score	92
Exons	34064..34264, 34101..34244		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-

Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o6.tm	Method	TBLASTX:Maize
Start	38235	End	38590
GI	none	Score	351
Exons	38235..38501, 38236..38502, 38461..38589, 38505..38588, 38507..38590		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o5.np	Method	AAT/NAP
Start	38245	End	45634
GI	6554175	Score	1578
Exons	38245..39366, 39516..39711, 39787..40459, 41594..41708, 42728..42791, 43236..43638, 43670..43710, 43995..44311, 44494..44847, 45140..45253, 45355..45634		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o7.gs	Method	GENSCAN
Start	38262	End	47338
GI	none	Score	.87
Exons	38262..39352, 39505..39711, 39787..40459, 41073..41240, 41594..41708, 42728..42935, 43236..43563, 43676..43767, 43995..44311, 44494..44847, 45140..45253, 45289..45830, 47297..47338		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o6.ts	Method	TBLASTX:Soybean
Start	38265	End	38543
GI	none	Score	85
Exons	38265..38543, 38292..38519		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o2.tc	Method	TBLASTX:Cress
Start	38275	End	39278
GI	none	Score	91
Exons	38275..38514, 38301..38543, 38400..38543, 38559..38660, 38676..38825, 39067..39252, 39087..39278		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o3.ts	Method	TBLASTX:Soybean
Start	38688	End	39345
GI	none	Score	132
Exons	38688..38834, 38898..38975, 39079..39345, 39087..39308		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338

Name	OJ990916_16.9B10.C7.o2.tm	Method	TBLASTX:Maize
Start	38703	End	39652
GI	none	Score	860
Exons	38703..39308, 38704..39351, 38715..39353, 39020..39358, 39044..39361, 39502..39612, 39503..39652, 39503..39649		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o3.tm	Method	TBLASTX:Maize
Start	39821	End	40388
GI	none	Score	112
Exons	39821..39907, 39821..39907, 39901..39960, 39902..40060, 39903..39971, 39980..40387, 39984..40388, 40021..40380		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o5.ts	Method	TBLASTX:Soybean
Start	40022	End	41710
GI	none	Score	70
Exons	40022..40132, 40026..40133, 40208..40264, 40286..40369, 40287..40460, 40400..40459, 41594..41710, 41598..41669		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o15.tm	Method	TBLASTX:Maize
Start	41075	End	43310
GI	none	Score	99
Exons	41075..41170, 41076..41171, 41076..41180, 41077..41202, 41180..41254, 41180..41242, 41589..41699, 41590..41700, 41594..41710, 41598..41714, 43245..43310		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o12.tm	Method	TBLASTX:Maize
Start	42728	End	42939
GI	none	Score	254
Exons	42728..42934, 42730..42936, 42730..42939		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o13.tm	Method	TBLASTX:Maize
Start	43343	End	43568
GI	none	Score	119
Exons	43343..43414, 43345..43464, 43352..43414, 43357..43443, 43413..43517, 43418..43564, 43423..43563, 43476..43568		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o8.tm	Method	TBLASTX:Maize
Start	43688	End	44327
GI	none	Score	91

Exons	43688..43768, 43689..43769, 43691..43768, 43990..44121, 43994..44113, 43995..44117, 43996..44121, 43997..44155, 44089..44325, 44118..44327, 44119..44325		
Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o6.gp	Method	AAT/GAP
Start	44526	End	44627
GI	uC-osflcyp039h03b1	Score	174
Exons	44526..44627		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 9.0e-32 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	19669	Seq. ID	OJ990916_16.9B10.C7
Gene No.	41044	Strand	-
Start	38262	End	47338
Name	OJ990916_16.9B10.C7.o11.tm	Method	TBLASTX:Maize
Start	45139	End	45608
GI	none	Score	121
Exons	45139..45255, 45140..45256, 45354..45485, 45355..45486, 45405..45491, 45501..45542, 45543..45608		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41045	Strand	+
Start	201	End	534
Name	OJ990826_15.9B12.C1.o1.gp	Method	AAT/GAP
Start	201	End	534
GI	none	Score	629
Exons	201..534		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41046	Strand	+
Start	23159	End	23242
Name	OJ990826_15.9B12.C1.o5.np	Method	AAT/NAP
Start	23159	End	23242
GI	5852084	Score	100
Exons	23159..23242		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41047	Strand	+
Start	25328	End	25441
Name	OJ990826_15.9B12.C1.o4.gp	Method	AAT/GAP
Start	25328	End	25441
GI	none	Score	184
Exons	25328..25441		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41048	Strand	+
Start	30184	End	41507
Name	OJ990826_15.9B12.C1.o7.np	Method	AAT/NAP
Start	30184	End	31043
GI	4887010	Score	260
Exons	30184..30223, 30675..31043		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41048	Strand	+
Start	30184	End	41507
Name	OJ990826_15.9B12.C1.o6.gs	Method	GENSCAN
Start	30605	End	41507
GI	none	Score	.53
Exons	30605..30954, 31834..32017, 32678..32778, 33937..33982, 37495..37602, 37840..37949, 38514..38589, 38668..38742, 38835..38923, 39460..39521, 39634..39706, 40103..40178, 40422..40469, 41233..41332, 41500..41507		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41048	Strand	+
Start	30184	End	41507
Name	OJ990826_15.9B12.C1.o8.np	Method	AAT/NAP
Start	31804	End	34165
GI	5922634	Score	76
Exons	31804..31905, 34147..34165		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41048	Strand	+
Start	30184	End	41507
Name	OJ990826_15.9B12.C1.o9.np	Method	AAT/NAP
Start	37271	End	40198
GI	6946676	Score	135
Exons	37271..37303, 37822..37959, 38476..38739, 39546..39726, 40112..40198		
GI Descrip.	(AL138972) /prediction=(method:""genscan"", version:""1.0"", score:""119.22""); /prediction=(method:""genefinder"", version:""084""); /match=(desc:""LD41675.5prime LD Drosophila melanogaster embryo pOT2 Drosophila melanogaste...		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41048	Strand	+
Start	30184	End	41507
Name	OJ990826_15.9B12.C1.o6.gp	Method	AAT/GAP
Start	39397	End	40893
GI	3897_3.R1084	Score	1377
Exons	39397..39521, 39634..39706, 40103..40178, 40422..40893		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 2.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41049	Strand	+
Start	47675	End	48101
Name	OJ990826_15.9B12.C1.o7.gp	Method	AAT/GAP
Start	47675	End	48101
GI	3761065	Score	92
Exons	47675..47701, 48037..48101		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41050	Strand	+
Start	55981	End	57786
Name	OJ990826_15.9B12.C1.o10.np	Method	AAT/NAP

Start	55981	End	57786
GI	6721512	Score	139
Exons	55981..56095, 56123..56256, 56299..56365, 57715..57786		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41051	Strand	+
Start	60745	End	61478
Name	OJ990826_15.9B12.C1.o10.gs	Method	GENSCAN
Start	60745	End	61478
GI	none	Score	.71
Exons	60745..60860, 60893..61048, 61322..61478		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41052	Strand	+
Start	62713	End	64796
Name	OJ990826_15.9B12.C1.o8.gp	Method	AAT/GAP
Start	62398	End	62824
GI	none	Score	813
Exons	62398..62824		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41052	Strand	+
Start	62713	End	64796
Name	OJ990826_15.9B12.C1.o11.gs	Method	GENSCAN
Start	62713	End	64796
GI	none	Score	.81
Exons	62713..62913, 62987..63352, 63435..63759, 63861..63968, 64053..64151, 64711..64796		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41052	Strand	+
Start	62713	End	64796
Name	OJ990826_15.9B12.C1.o9.gp	Method	AAT/GAP
Start	63500	End	64376
GI	76386_1.R1084	Score	1226
Exons	63500..63759, 63861..63968, 64053..64376		
GI Descrip.	'4263528/gb|AAD15354| 6.0e-09 (AC004044) predicted protein of unknown function [Arabidopsis thaliana]'		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41053	Strand	+
Start	65563	End	66565
Name	OJ990826_15.9B12.C1.o12.gs	Method	GENSCAN
Start	65563	End	66565
GI	none	Score	.6
Exons	65563..65895, 66302..66565		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41054	Strand	+
Start	68006	End	69900
Name	OJ990826_15.9B12.C1.o10.gp	Method	AAT/GAP
Start	67986	End	68124
GI	LIB3474-009-P1-K1-F11	Score	224
Exons	67986..68124		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41054	Strand	+
Start	68006	End	69900
Name	OJ990826_15.9B12.C1.o13.gs	Method	GENSCAN
Start	68006	End	69900
GI	none	Score	.8
Exons	68006..68020, 68497..68643, 68970..68985, 69029..69160, 69689..69900		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41055	Strand	+
Start	71497	End	72926
Name	OJ990826_15.9B12.C1.o11.np	Method	AAT/NAP
Start	71497	End	72926
GI	6907088	Score	667
Exons	71497..71634, 71810..72044, 72529..72926		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41056	Strand	-
Start	1	End	15415
Name	OJ990826_15.9B12.C1.o2.np	Method	AAT/NAP
Start	1	End	15415
GI	4680345	Score	405
Exons	1..96, 3499..3539, 5704..5850, 5983..6181, 7434..7497, 15276..15415		
GI Descrip.	(AF128457) putative receptor kinase [Oryza sativa subsp. indica]		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41056	Strand	-
Start	1	End	15415
Name	OJ990826_15.9B12.C1.o1.gs	Method	GENSCAN
Start	394	End	3753
GI	none	Score	.48
Exons	394..455, 904..994, 1644..1748, 2723..2869, 2909..3008, 3710..3753		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41056	Strand	-
Start	1	End	15415
Name	OJ990826_15.9B12.C1.o2.gs	Method	GENSCAN
Start	3938	End	15259
GI	none	Score	.45
Exons	3938..4574, 4954..5055, 5358..5655, 5680..5850, 5945..6237, 6545..6694, 7081..7481, 7579..7929, 8402..8692, 8810..8884, 9521..9675, 9767..9934, 9964..10279, 10864..11135, 11720..11825, 12796..12908, 13472..13502, 14170..14494, 15111..15259		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41056	Strand	-
Start	1	End	15415
Name	OJ990826_15.9B12.C1.o3.np	Method	AAT/NAP
Start	5756	End	10258
GI	4539351	Score	1045
Exons	5756..5831, 7193..7481, 7579..7929, 8402..8692, 8810..8884, 9521..9675, 9767..10054, 10150..10258		

GI Descrip. (AL035539) putative protein [Arabidopsis thaliana]

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41056	Strand	-
Start	1	End	15415
Name	OJ990826_15.9B12.C1.o2.gp	Method	AAT/GAP
Start	6969	End	7392
GI	2442966	Score	746
Exons	6969..7392		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41057	Strand	-
Start	16267	End	16770
Name	OJ990826_15.9B12.C1.o3.gs	Method	GENSCAN
Start	16267	End	16770
GI	none	Score	.83
Exons	16267..16529, 16698..16770		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41058	Strand	-
Start	20014	End	20392
Name	OJ990826_15.9B12.C1.o3.gp	Method	AAT/GAP
Start	20014	End	20392
GI	427177	Score	754
Exons	20014..20392		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41059	Strand	-
Start	20756	End	22303
Name	OJ990826_15.9B12.C1.o4.np	Method	AAT/NAP
Start	20756	End	22303
GI	5902373	Score	438
Exons	20756..20779, 20857..21003, 21080..21242, 21357..21470, 21672..21739, 22229..22303		

GI Descrip. (AC009322) Unknown protein [Arabidopsis thaliana]

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41060	Strand	-
Start	25492	End	27715
Name	OJ990826_15.9B12.C1.o5.gs	Method	GENSCAN
Start	25492	End	27598
GI	none	Score	.7
Exons	25492..25567, 26987..27105, 27199..27308, 27406..27598		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41060	Strand	-
Start	25492	End	27715
Name	OJ990826_15.9B12.C1.o6.np	Method	AAT/NAP
Start	25495	End	27580
GI	6714413	Score	371
Exons	25495..25567, 26987..27105, 27199..27308, 27406..27580		

GI Descrip. (AC012328) unknown protein [Arabidopsis thaliana]

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41060	Strand	-
Start	25492	End	27715
Name	OJ990826_15.9B12.C1.o5.gp	Method	AAT/GAP

Start	27199	End	27715
GI	none	Score	742
Exons	27199..27308, 27406..27715		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41061	Strand	-
Start	41913	End	45620
Name	OJ990826_15.9B12.C1.o7.gs	Method	GENSCAN
Start	41913	End	45620
GI	none	Score	.66
Exons	41913..42101, 42269..42343, 42821..42899, 43250..43379, 43493..43671, 44384..44498, 44930..45067, 45467..45620		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o6.tm	Method	TBLASTX:Maize
Start	4100	End	4306
GI	none	Score	264
Exons	4100..4306, 4101..4292		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o11.tm	Method	TBLASTX:Maize
Start	5753	End	6063
GI	none	Score	73
Exons	5753..5866, 5763..5852, 5898..5939, 5940..6062, 5974..6063		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o3.tm	Method	TBLASTX:Maize
Start	7368	End	8587
GI	none	Score	89
Exons	7368..7484, 7384..7482, 7578..7610, 7579..7932, 7769..7927, 8402..8584, 8402..8587		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o3.ts	Method	TBLASTX:Soybean
Start	7383	End	7887
GI	none	Score	71
Exons	7383..7484, 7402..7482, 7578..7607, 7579..7701, 7684..7740, 7735..7887		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o3.tc	Method	TBLASTX:Cress
Start	7798	End	8692
GI	none	Score	68
Exons	7798..7932, 7798..7932, 8402..8584, 8402..8590, 8621..8692		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-

Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o12.tm	Method	TBLASTX:Maize
Start	8621	End	8899
GI	none	Score	99
Exons	8621..8692, 8622..8717, 8801..8890, 8810..8899		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o4.ts	Method	TBLASTX:Soybean
Start	8825	End	9896
GI	none	Score	161
Exons	8825..8899, 9548..9679, 9771..9896		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o2.tm	Method	TBLASTX:Maize
Start	9518	End	9890
GI	none	Score	105
Exons	9518..9580, 9522..9581, 9581..9676, 9679..9813, 9768..9890, 9846..9884		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o5.tm	Method	TBLASTX:Maize
Start	20740	End	21158
GI	none	Score	58
Exons	20740..20787, 20741..20782, 20855..21004, 20857..21033, 20858..21004, 21078..21158, 21078..21146, 21080..21157		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o7.tm	Method	TBLASTX:Maize
Start	21159	End	22349
GI	none	Score	135
Exons	21159..21245, 21160..21237, 21161..21292, 21347..21472, 21351..21473, 21353..21472, 21666..21740, 21667..21732, 21671..21754, 22228..22308, 22229..22309, 22229..22309, 22230..22349		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	25492	End	27583
GI	none	Score	128
Exons	25492..25569, 25493..25570, 25495..25572, 26986..27108, 26987..27106, 27184..27309, 27184..27306, 27398..27583, 27407..27580		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o1.ts	Method	TBLASTX:Soybean

Start	25501	End	27589
GI	none	Score	71
Exons	25501..25584, 26986..27108, 26987..27100, 27184..27306, 27407..27589		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o1.tc	Method	TBLASTX:Cress
Start	26986	End	27592
GI	none	Score	143
Exons	26986..27108, 27184..27306, 27407..27592		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o1.tw	Method	TBLASTX:Wheat
Start	26986	End	27598
GI	none	Score	98
Exons	26986..27108, 26987..27106, 27184..27306, 27184..27306, 27398..27472, 27407..27451, 27473..27598, 27482..27598		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o2.ts	Method	TBLASTX:Soybean
Start	30674	End	31453
GI	none	Score	302
Exons	30674..30880, 30683..30985, 30736..30969, 31334..31453		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o8.tm	Method	TBLASTX:Maize
Start	30674	End	30954
GI	none	Score	119
Exons	30674..30808, 30689..30796, 30800..30952, 30805..30954		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o2.tc	Method	TBLASTX:Cress
Start	30683	End	30985
GI	none	Score	297
Exons	30683..30985, 30739..30969		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o9.tm	Method	TBLASTX:Maize
Start	37821	End	38743
GI	none	Score	228
Exons	37821..37949, 37822..37947, 38475..38570, 38475..38591, 38476..38589, 38666..38743, 38667..38741, 38668..38742		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-

Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o4.tm	Method	TBLASTX:Maize
Start	62668	End	63190
GI	none	Score	49
Exons	62668..62838, 62797..62838, 62827..62901, 62828..62899, 62959..63189, 62987..63190		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o10.tm	Method	TBLASTX:Maize
Start	63579	End	63912
GI	none	Score	184
Exons	63579..63776, 63650..63760, 63859..63912, 63860..63910		

Seq. No.	19670	Seq. ID	OJ990826_15.9B12.C1
Gene No.	41062	Strand	-
Start	72181	End	73190
Name	OJ990826_15.9B12.C1.o14.gs	Method	GENSCAN
Start	72181	End	73190
GI	none	Score	.81
Exons	72181..72275, 72647..72718, 72863..72911, 73015..73190		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41063	Strand	+
Start	2008	End	2528
Name	OJ990826_15.9B12.C2.o1.gs	Method	GENSCAN
Start	2008	End	2528
GI	none	Score	.73
Exons	2008..2029, 2332..2528		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41064	Strand	+
Start	5994	End	15102
Name	OJ990826_15.9B12.C2.o3.gs	Method	GENSCAN
Start	5994	End	14052
GI	none	Score	.61
Exons	5994..6305, 9443..9556, 10489..10581, 10970..11059, 12376..12462, 13228..13288, 13363..13465, 13586..13681, 13848..14052		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41064	Strand	+
Start	5994	End	15102
Name	OJ990826_15.9B12.C2.o2.gp	Method	AAT/GAP
Start	10436	End	11039
GI	46627_1.R1084	Score	935
Exons	10436..10858, 10970..11039		
GI Descrip.	'3402817/emb|CAA07704.1| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41064	Strand	+
Start	5994	End	15102
Name	OJ990826_15.9B12.C2.o2.np	Method	AAT/NAP
Start	10826	End	15102
GI	4895190	Score	749

Exons	10826..10858, 10970..11059, 12376..12462, 12538..12606, 12875..12955, 13034..13105, 13228..13287, 13365..13465, 13586..13681, 13761..13807, 13898..13949, 13983..14043, 15031..15102		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41065	Strand	+
Start	15305	End	15483
Name	OJ990826_15.9B12.C2.o4.gp	Method	AAT/GAP
Start	15305	End	15483
GI	4715988	Score	324
Exons	15305..15483		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41066	Strand	-
Start	5142	End	5556
Name	OJ990826_15.9B12.C2.o1.gp	Method	AAT/GAP
Start	5142	End	5556
GI	91923_1.R1084	Score	508
Exons	5142..5556		
GI Descrip.	'4006878/emb|CAB16796.1| 7.0e-11 (Z99707) MAP3K-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41067	Strand	-
Start	5609	End	7613
Name	OJ990826_15.9B12.C2.o1.np	Method	AAT/NAP
Start	5609	End	7613
GI	6907106	Score	387
Exons	5609..5801, 5875..6090, 7579..7613		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41068	Strand	-
Start	18352	End	20939
Name	OJ990826_15.9B12.C2.o3.np	Method	AAT/NAP
Start	18352	End	20939
GI	4895189	Score	243
Exons	18352..18577, 20458..20624, 20733..20939		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o3.tm	Method	TBLASTX:Maize
Start	5715	End	6053
GI	none	Score	135
Exons	5715..5771, 5716..5844, 5716..5829, 5780..5845, 5783..5884, 5849..6043, 5859..6029, 5859..5936, 5861..6052, 5862..6053		

Seq. No.	19671	Seq. ID	OJ990826_15.9B12.C2
Gene No.	41069	Strand	-
Start	25475	End	26915
Name	OJ990826_15.9B12.C2.o4.tm	Method	TBLASTX:Maize
Start	10834	End	13288